

EXHIBIT 56

EXHIBIT 56

	OS VERSION	REGISTRATION DATE	FIRST DATE OF PUBLICATION OR CREATION	DOCKET NO.	EXHIBIT 87 PAGE CITE
FIRST DATE OF PUBLICATION OR CREATION UNDER 5 YEARS					
1	IOS 12.0	6/14/2002	1998*	64-9 (Exhibit 7A to Second Amended Complaint)	4 - 7
2	IOS 12.1	6/14/2002	2000*	64-11 (Exhibit 8A to Second Amended Complaint)	8 - 11
3	IOS 12.2	6/14/2002	2001*	64-13 (Exhibit 9A to Second Amended Complaint)	12 - 15
4	IOS 12.3	7/26/2004	2003*	64-15 (Exhibit 10 to Second Amended Complaint)	16 - 19
5	IOS 12.4	8/12/2005	2005*	64-16 (Exhibit 11 to Second Amended Complaint)	20 - 23
6	IOS 15.0	11/28/2014	10/1/2009	64-17 (Exhibit 12 to Second Amended Complaint)	24 - 27
7	IOS 15.1	11/28/2014	3/26/2010	64-18 (Exhibit 13 to Second Amended Complaint)	28 - 31
8	IOS 15.2	11/24/2014	7/22/2011	64-19 (Exhibit 14 to Second Amended Complaint)	32 - 35
9	IOS 15.4	11/26/2014	11/24/2013	64-20 (Exhibit 15 to Second Amended Complaint)	36 - 39

	OS VERSION	REGISTRATION DATE	FIRST DATE OF PUBLICATION OR CREATION	DOCKET NO.	EXHIBIT 87 PAGE CITE
10	XR 3.0	4/29/2005	2004*	64-21 (Exhibit 16 to Second Amended Complaint)	40 - 43
11	XR 3.2	10/19/2005	2005*	64-22 (Exhibit 17 to Second Amended Complaint)	44 - 47
12	XR 3.3	7/19/2006	2006*	64-22 (Exhibit 18 to Second Amended Complaint)	48 - 51
13	XR 3.4	3/2/2007	2006*	64-24 (Exhibit 19 to Second Amended Complaint)	52 - 55
14	XR 3.5	7/17/2007	2007*	64-25 (Exhibit 20 to Second Amended Complaint)	56 - 59
15	XR 4.3	11/14/2014	12/21/2012	64-26 (Exhibit 21 to Second Amended Complaint)	60 - 63
16	XR 5.2	11/14/2014	7/5/2014	64-27 (Exhibit 22 to Second Amended Complaint)	64 - 67
17	XE 3.5	11/24/2014	11/28/2011	64-29 (Exhibit 24 to Second Amended Complaint)	68 - 71
18	NX-OS 5.0	11/13/2014	5/24/2010	64-31 (Exhibit 26 to Second Amended Complaint)	72 - 75
19	NX-OS 5.2	11/13/2014	7/29/2011	64-32 (Exhibit 27 to Second Amended Complaint)	76 - 79

	OS VERSION	REGISTRATION DATE	FIRST DATE OF PUBLICATION OR CREATION	DOCKET NO.	EXHIBIT 87 PAGE CITE
20	NX-OS 6.2	11/13/2014	8/22/2013	64-33 (Exhibit 28 to Second Amended Complaint)	80 - 83
FIRST DATE OF PUBLICATION OR CREATION OVER 5 YEARS					
21	IOS 11.0	6/14/2002	1995*	64-3 (Exhibit 3 to Second Amended Complaint)	84 - 87
22	IOS 11.1	6/14/2002	2/28/1996	64-1 (Exhibit 4A to Second Amended Complaint)	88 - 91
23	IOS 11.2	6/14/2002	1996*	64-6 (Exhibit 5 to Second Amended Complaint)	92 - 95
24	IOS 11.3	6/14/2002	1997*	64-7 (Exhibit 6A to Second Amended Complaint)	96 - 99
25	XE 2.1	11/24/2014	5/2/2008	64-28 (Exhibit 23 to Second Amended Complaint)	100 - 103
26	NX-OS 4.0	11/13/2014	4/2/2008	64-30 (Exhibit 25 to Second Amended Complaint)	104 - 107

*Work completed date is listed where publication date is not included on copyright registration.

CERTIFICATE OF REGISTRATION



OFFICIAL SEAL

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
 REGISTER OF COPYRIGHTS
 United States of America

FORM TX

For a Nondramatic Literary Work
 UNITED STATES COPYRIGHT OFFICE

TXu 1-036-064



TXu001036064

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

Cisco IOS 12.0

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 12.0; Cisco IOS Version 12.0; Cisco Internetwork Operating System 12.0; Cisco Internetwork Operating System Release 12.0; Cisco Internetwork Operating System Version 12.0

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

a NAME OF AUTHOR ▼
 Cisco Systems, Inc.

DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a
 "work made for hire"?
☒ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country
 OR { Citizen of ▼
 Domiciled in ▼ United States

WAS THIS AUTHOR'S CONTRIBUTION TO
 THE WORK
 Anonymous? ☐ Yes ☒ No
 Pseudonymous? ☐ Yes ☒ No
 If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
 New and revised computer code and accompanying documentation

b NAME OF AUTHOR ▼
 See Attached Form TX/CON for Additional Authors

DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a
 "work made for hire"?
☐ Yes
☐ No

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 OR { Citizen of ▼
 Domiciled in ▼

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☐ No

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 Domiciled in ▼

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NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3

a YEAR IN WHICH CREATION OF THIS
 WORK WAS COMPLETED This information
 must be given
 1998 Year in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK
 Complete this information ONLY if this work
 has been published. Month ▼ Day ▼ Year ▼ Nation ▼

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

Cisco Technology, Inc.
 170 West Tasman Drive
 San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

APPLICATION RECEIVED

JUN 14 2002

ONE DEPOSIT RECEIVED

JUN 14 2002

TWO DEPOSITS RECEIVED

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DO NOT WRITE HERE
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MORE ON BACK ► • Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
 • See detailed instructions. • Sign the form at line 8.

DO NOT WRITE HERE
 Page 1 of 4 pages

EXAMINED BY <u>Tms'</u>	FORM TX
CHECKED BY _____	
<input type="checkbox"/> CORRESPONDENCE	FOR
<input type="checkbox"/> Yes	COPYRIGHT
	OFFICE
	USE
	ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

☒ Yes ☐ No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼a. ☐ This is the first published edition of a work previously registered in unpublished form.b. ☐ This is the first application submitted by this author as copyright claimant.c. ☒ This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ►

Pending

Year of Registration ►

2002

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

a 6

See instructions before completing this space.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
New and revised computer code and accompanying documentation

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
Name ▼ Account Number ▼

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Tu T. Tsao, Esq.

Fenwick & West LLP

2 Palo Alto Square

Palo Alto, CA 94306

Area code and daytime telephone number ► (650) 858-7696

Fax number ►

(650) 494-1417

Email ► ttsao@fenwick.com

b

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ►

☐ author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ►

Handwritten signature (X) ▼

X

Certificate will be mailed in window envelope to this address:

Name ▼

Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼

2 Palo Alto Square

City/State/ZIP ▼

Palo Alto, CA 94306

YOU MUST:

- Complete all necessary spaces
- Sign your application in space 8

SEND ALL 3 ELEMENTS IN THE SAME PACKAGE

1. Application form
2. Nonrefundable filing fee in check or money order payable to Registrar of Copyrights
3. Deposit material

MAIL TO:

Library of Congress
Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

9

As of July 1, 1999, the filing fee for Form TX is \$30.

*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.
June 1999—200,000
WEB REV: June 1999

CONTINUATION SHEET FOR APPLICATION FORMS

FORM TX /CON
UNITED STATES COPYRIGHT OFFICE

TXu 1-036-064



T.O.001036064

PA	PAU	SE	SEG	SEU	SR	SRU	TX	TXU	VA	VAU
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EFFECTIVE DATE OF REGISTRATION

JUN 1 4 2002

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUN 1 4 2002

Page 3 of 4 pages

- This Continuation Sheet is used in conjunction with Forms CA, PA, SE, SR, TX, and VA, only. Indicate which basic form you are continuing in the space in the upper right-hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application.
Space B is a continuation of Space 2 on the basic application. Space B is not applicable to Short forms.
Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

IDENTIFICATION OF CONTINUATION SHEET: This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE:** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS 12.0

A
Identification
of
Application

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

NAME OF AUTHOR ▼
(See Space C)

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

B
Continuation
of Space 2

Was this contribution to the work **AUTHOR'S NATIONALITY OR DOMICILE**
a "work made for hire"? Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

Pseudonymous? ☐ Yes ☐ No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

e

Was this contribution to the work **AUTHOR'S NATIONALITY OR DOMICILE**
a "work made for hire"? Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

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NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

f

Was this contribution to the work **AUTHOR'S NATIONALITY OR DOMICILE**
a "work made for hire"? Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

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If the answer to either of these questions is "Yes," see detailed instructions.

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NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Spaces 1, 4, or 6 of the Short Forms PA, TX, or VA.

CONTINUATION OF (Check which): ☐ Space 1 ☐ Space 4 ☐ Space 6 ☒ Space 2b

Name of Author	Work for Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution
Adecco Employment Services	Yes	United States	Yes	No	Computer code
Avnisoft Corporation	Yes	United States	Yes	No	Computer code
HCL Consulting Limited	Yes	United States	Yes	No	Computer code
HCL America, Inc.	Yes	India	Yes	No	Computer code
H.L. Yoh Company LLC	Yes	United States	Yes	No	Computer code
Aquas	Yes	United States	Yes	No	Computer code
Metaplex, Inc.	Yes	United States	Yes	No	Computer code
Rapidigm	Yes	United States	Yes	No	Computer code
Wipro Limited	Yes	India	Yes	No	Computer code
Lasselle-Ramsay	Yes	United States	Yes	No	Documentation
Oakhill Publications/ Computer Education Consulting	Yes	United States	Yes	No	Documentation
Rick Barron	No	United States	Yes	No	Documentation
On-Call Consultants, Inc.	Yes	United States	Yes	No	Documentation
Judy Melanson	No	United States	Yes	No	Documentation

C
Continuation
of other
Spaces

Certificate
will be
mailed in
window
envelope
to this
address:

Name ▼
Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼
2 Palo Alto Square

City/State/ZIP ▼
Palo Alto, CA 94306

YOU MUST:
• Complete all necessary spaces
• Sign your application

**SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE:**
1. Application form
2. Nonrefundable fee in check or
money order payable to Register
of Copyrights
3. Deposit Material

MAIL TO:
Library of Congress, Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

D
Fees are effective
through June 30,
2002. After that date,
check the Copyright
office Website at
www.loc.gov/copyright
or call (202)
707-3000 for current
fee information.

CERTIFICATE OF REGISTRATION

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

OFFICIAL SEAL

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
REGISTER OF COPYRIGHTS
United States of America

TXu 1-036-066



TXu001036066

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

Cisco IOS 12.1

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 12.1; Cisco IOS Version 12.1; Cisco Internetwork Operating System 12.1; Cisco Internetwork Operating System Release 12.1; Cisco Internetwork Operating System Version 12.1

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

a NAME OF AUTHOR ▼
Cisco Systems, Inc.

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a
"work made for hire"?
☒ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▼
Domiciled in ▼ United States

WAS THIS AUTHOR'S CONTRIBUTION TO
THE WORK
If the answer to either
of these questions is
"Yes," see detailed
instructions.

Anonymous? ☐ Yes ☒ No
Pseudonymous? ☐ Yes ☒ No

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
New and revised computer code and accompanying documentation

b NAME OF AUTHOR ▼
See Attached Form TX/CON for Additional Authors

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a
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☐ Yes
☐ No

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Name of Country
OR { Citizen of ▼
Domiciled in ▼

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3

a YEAR IN WHICH CREATION OF THIS
WORK WAS COMPLETED This information
must be given
2000 Year in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information
ONLY if this work
has been published. Month ▼ Day ▼ Year ▼
Nation

4

See instructions
before completing
this space.

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

Cisco Technology, Inc.
170 West Tasman Drive
San Jose, CA 95134

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Page 1 of 7 pages

EXAMINED BY

TMS

FORM TX

CHECKED BY

CORRESPONDENCE

☐ YesFOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

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Pending

Year of Registration ▶

2002

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

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Name ▼

Account Number ▼

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Tu T. Tsao, Esq.

Fenwick & West LLP

2 Palo Alto Square

Palo Alto, CA 94306

Area code and daytime telephone number ▶ (650) 858-7696

Fax number ▶ (650) 494-1417

Email ▶ ttsao@fenwick.com

b

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

☐ author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc.

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ▶

Handwritten signature (X) ▼

X

Certificate
will be
mailed in
window
envelope
to this
address:

Name ▼

Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼

2 Palo Alto Square

City/State/ZIP ▼

Palo Alto, CA 94306

YOU MUST:

- Complete all necessary spaces
- Sign your application in space 8

SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE.

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 3. Deposit material
- MAIL TO:
Library of Congress
Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000
- As of July 1, 1999, the filing fee for Form TX is \$30.

9

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June 1999—200,000
WEB REV: June 1999

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U.S. GOVERNMENT PRINTING OFFICE: 1999-454-879/49

CONTINUATION SHEET FOR APPLICATION FORMS

- This Continuation Sheet is used in conjunction with Forms CA, PA, SE, SR, TX, and VA, only. Indicate which basic form you are continuing in the space in the upper right-hand corner.
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FORM TX /CON
UNITED STATES COPYRIGHT OFFICE

TXu 1-036-066



PA PAU SE SEG SEU SR SRU TX TXU VA VAU

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUN 14 2002

Page 3 of 4 pages

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Cisco IOS 12.1

A
Identification of Application

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

d
NAME OF AUTHOR ▼
(See Space C)

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

B
Continuation of Space 2

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
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Pseudonymous? ☐ Yes ☐ No

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NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

e

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

f

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA, TX, or VA.

CONTINUATION OF (Check which): ☐ Space 1 ☐ Space 4 ☐ Space 6 ☒ Space 2b

Name of Author	Work for Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution
ABE Staffing Services, Inc.	Yes	United States	Yes	No	Computer code
Adecco Employment Services	Yes	United States	Yes	No	Computer code
A.S.K. Office Personnel Solutions	Yes	Australia	Yes	No	Computer code
Computer People	Yes	United States	Yes	No	Computer code
Cotelligent	Yes	United States	Yes	No	Computer code
Devsoft Corporation	Yes	United States	Yes	No	Computer code
HCL America, Inc.	Yes	United States	Yes	No	Computer code
HCL Consulting Limited	Yes	India	Yes	No	Computer code
IT & E Corporation	Yes	United States	Yes	No	Computer code
Ma Foi Management Consultants Limited	Yes	India	Yes	No	Computer code
Maprik Holdings Pty Ltd	Yes	Australia	Yes	No	Computer code
Metaplex, Inc.	Yes	United States	Yes	No	Computer code
Pipelink	Yes	United States	Yes	No	Computer code
Rapidigm	Yes	United States	Yes	No	Computer code
Softsol Resources, Inc.	Yes	India	Yes	No	Computer code
Wipro Limited	Yes	United States	Yes	No	Documentation
Lasselle-Ramsay	Yes	United States	Yes	No	Documentation
Oakhill Publications/Computer Education Consulting	Yes	United States	Yes	No	Documentation
Essential Solutions	Yes	United States	Yes	No	Documentation
Rick Barron	No	United States	Yes	No	Documentation

C
Continuation
of other
Spaces

Certificate
will be
mailed in
window
envelope
to this
address:

Name ▼
Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼
2 Palo Alto Square

City/State/ZIP ▼
Palo Alto, CA 94306

YOU MUST:
• Complete all necessary spaces
• Sign your application

**SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE:**
1. Application form
2. Nonrefundable fee in check or
money order payable to Register
of Copyrights
3. Deposit Material

MAIL TO:
Library of Congress, Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

D
Fees are effective
through June 30,
2002. After that date,
check the Copyright
office Website at
www.loc.gov/copy-
right or call (202)
707-3000 for current
fee information.

CERTIFICATE OF REGISTRATION



OFFICIAL SEAL

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

REGISTER OF COPYRIGHTS
United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

RE

TXu 1-036-065



TXu001036065

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

Cisco IOS 12.2

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 12.2; Cisco IOS Version 12.2; Cisco Internetwork Operating System 12.2; Cisco Internetwork Operating System Release 12.2; Cisco Internetwork Operating System Version 12.2

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

a NAME OF AUTHOR ▼
Cisco Systems, Inc.

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a
"work made for hire"?
☒ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of ▼
Domiciled in ▼ United States

WAS THIS AUTHOR'S CONTRIBUTION TO
THE WORK
Anonymous? ☐ Yes ☒ No
Pseudonymous? ☐ Yes ☒ No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
New and revised computer code and accompanying documentation

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

b NAME OF AUTHOR ▼
See Attached Form TX/CON for Additional Authors

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a
"work made for hire"?
☐ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of ▼
Domiciled in ▼

WAS THIS AUTHOR'S CONTRIBUTION TO
THE WORK
Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

c NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a
"work made for hire"?
☐ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of ▼
Domiciled in ▼

WAS THIS AUTHOR'S CONTRIBUTION TO
THE WORK
Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3

a YEAR IN WHICH CREATION OF THIS
WORK WAS COMPLETED
2001
This information must be given in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK
Complete this information ONLY if this work has been published.
Month ▼ Day ▼ Year ▼ Nation ▼

4

See instructions before completing this space.

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

Cisco Technology, Inc.
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

APPLICATION RECEIVED

JUN 14 2002

ONE DEPOSIT RECEIVED

JUN 14 2002

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

DO NOT WRITE HERE
OFFICE USE ONLY

MORE ON BACK ►

• Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
• See detailed instructions. • Sign the form at line 8.

DO NOT WRITE HERE
Page 1 of 7 pages

EXAMINED BY	FORM TX
CHECKED BY	
<input type="checkbox"/> CORRESPONDENCE	FOR COPYRIGHT OFFICE USE ONLY
Yes	

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

☒ Yes ☐ No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼a. ☐ This is the first published edition of a work previously registered in unpublished form.b. ☐ This is the first application submitted by this author as copyright claimant.c. ☒ This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▶

Pending

Year of Registration ▶

2002

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

New and revised computer code and accompanying documentation

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼

Account Number ▼

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Tu T. Tsao, Esq.

Fenwick & West LLP

2 Palo Alto Square

Palo Alto, CA 94306

Area code and daytime telephone number ▶ (650) 858-7696

Fax number ▶ (650) 494-1417

Email ▶

ttsao@fenwick.com

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

☐ author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc.

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ▶

Handwritten signature (X) ▼

X

Certificate will be mailed in window envelope to this address:

Name ▼
Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼

2 Palo Alto Square

City/State/ZIP ▼

Palo Alto, CA 94306

YOU MUST:

- Complete all necessary spaces
- Sign your application in space 8

SEND ALL 3 ELEMENTS IN THE SAME PACKAGE:

1. Application form
2. Nonrefundable filing fee in check or money order payable to Registrar of Copyrights
3. Deposit material

MAIL TO:

Library of Congress
Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

CONTINUATION SHEET FOR APPLICATION FORMS

- This Continuation Sheet is used in conjunction with Forms CA, PA, SE, SR, TX, and VA, only. Indicate which basic form you are continuing in the space in the upper right-hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application. Space B is a continuation of Space 2 on the basic application. Space B is not applicable to Short forms. Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

FORM TX /CON
UNITED STATES COPYRIGHT OFFICE

TXu 1-036-065



TXu001036065

PA PAU SE SEG SEU SR SRV TX TXU VA VAU

EFFECTIVE DATE OF REGISTRATION

JUN 1 4 2002

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUN 1 4 2002

Page 3 of 4 pages

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

IDENTIFICATION OF CONTINUATION SHEET: This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE:** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS 12.2

A
Identification
of
Application

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

B
Continuation
of Space 2

NAME OF AUTHOR ▼

(See Space C)

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA, TX, or VA.

CONTINUATION OF (Check which):

☐ Space 1☐ Space 4☐ Space 6☒ Space 2b

Name of Author	Work for Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution
ABE Staffing Services, Inc.	Yes	United States	Yes	No	Computer code and documentation
Adecco Employment Services	Yes	United States	Yes	No	Computer code and documentation
Acionyx, Incorporated	Yes	United States	Yes	No	Computer code
Greenwood Group, dba Manpower Technical Services	Yes	United States	Yes	No	Computer code and documentation
HCL America, Inc.	Yes	United States	Yes	No	Computer code
HCL Consulting Limited	Yes	United States	Yes	No	Computer code
H.L. Yoh Company LLC	Yes	United States	Yes	No	Computer code
Hughes Software Systems USA	Yes	United States	Yes	No	Computer code
InfoSys Technologies Limited	Yes	United States	Yes	No	Computer code
Insight Solutions, Inc.	Yes	United States	Yes	No	Computer code
IT & E Corporation	Yes	United States	Yes	No	Computer code
Ma Foi Management Consultants Limited	Yes	United States	Yes	No	Computer code
Metalogic, S.A.R.L.	Yes	United States	Yes	No	Computer code
Metaplex, Inc.	Yes	United States	Yes	No	Computer code
Rapidigm	Yes	United States	Yes	No	Computer code
Savvy System Consultants	Yes	United States	Yes	No	Computer code
Ultimate Technology, Inc.	Yes	United States	Yes	No	Computer code
Wipro Limited	Yes	United States	Yes	No	Computer code
Lasselle-Ramsay	Yes	United States	Yes	No	Documentation
Oakhill Publications/ Computer Education Consulting	Yes	United States	Yes	No	Documentation
Rick Barron	No	United States	Yes	No	Documentation

C
Continuation
of other
Spaces

Certificate
will be
mailed in
window
envelope
to this
address:

Name ▼
Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼
2 Palo Alto Square

City/State/ZIP ▼
Palo Alto, CA 94306

YOU MUST:

- Complete all necessary spaces
- Sign your application

**SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE**

1. Application form
2. Non-refundable fee in check or money order payable to Register of Copyrights
3. Deposit Material

MAIL TO:

Library of Congress, Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

D
Fees are effective
through June 30,
2007. After that date,
check the Copyright
office Website at
www.loc.gov/copyright
or call (202)
707-3000 for current
fee information.

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

REG TXu 1-188-975



TXU01188975

EFFECTIVE DATE OF REGISTRATION

Month JUL Day 26 Year 04

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

1

TITLE OF THIS WORK ▼

Cisco IOS 12 3

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 12 3 Cisco IOS Version 12 3 Cisco Internetwork Operating System 12 3 Cisco Internetwork Operating System Release 12 3 Cisco Internetwork Operating System Version 12 3

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical serial or collection, give information about the collective work in which the contribution appeared Title of Collective Work ▼

If published in a periodical or serial give Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

NAME OF AUTHOR ▼

a Cisco Systems Inc

Was this contribution to the work a 'work made for hire'?

☒ Yes

☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of

Domiciled in United States

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☒ No

Pseudonymous? ☐ Yes ☒ No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼
New and revised computer code and documentation

NAME OF AUTHOR ▼

b See Attached Form TX/CON for Additional Authors

Was this contribution to the work a 'work made for hire'?

☐ Yes

☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of

Domiciled in

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

NAME OF AUTHOR ▼

c See Attached Form TX/CON for Additional Authors

Was this contribution to the work a 'work made for hire'?

☐ Yes

☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of

Domiciled in

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

NOTE

Under the law the author of a work made for hire is generally the employer not the employee (see instructions). For any part of this work that was made for hire check "Yes" in the space provided give the employer (or other person for whom the work was prepared) as Author of that part and leave the space for dates of birth and death blank

3

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

2003

Year

This information must be given in all cases.

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information ONLY if this work has been published

Month

Day

Year

Nation

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

Cisco Technology Inc
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2 give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

By agreement

APPLICATION RECEIVED

JUL 26 2004

ONE DEPOSIT RECEIVED

JUL 26 2004

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

DO NOT WRITE HERE OFFICE USE ONLY

MORE ON BACK ►

Complete all applicable spaces (numbers 5-9) on the reverse side of this page
See detailed instructions Sign the form at line 8

DO NOT WRITE HERE

Page 1 of 4 pages

EXAMINED BY

FORM TX

CHECKED BY

☐ CORRESPONDENCE

Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?☒ Yes ☐ No If your answer is Yes why is another registration being sought? (Check appropriate box) ▼a ☐ This is the first published edition of a work previously registered in unpublished formb ☐ This is the first application submitted by this author as copyright claimantc ☒ This is a changed version of the work, as shown by space 6 on this application

If your answer is Yes give Previous Registration Number ▶

TXu 1 036 065

Year of Registration ▶

2002

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates ▼

Prior works by claimant and preexisting third party computer code

Material Added to This Work Give a brief general statement of the material that has been added to this work and in which copyright is claimed ▼

New and revised computer code and documentation

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office give name and number of Account

Name ▼

Account Number ▼

Cisco Technology Inc

DA92785

CORRESPONDENCE Give name and address to which correspondence about this application should be sent: Name/Address/Apt/City/State/ZIP ▼

Jason Schroth

Cisco Technology Inc

170 West Tasman Drive

San Jose CA 95134

Area code and daytime telephone number ▶ (408) 853 7972

Fax number ▶ (408) 853 7972

Email ▶

jschroth@cisco.com

CERTIFICATION* I the undersigned hereby certify that I am the

Check only one ▶

☐ author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3 do not sign and submit it before that date

Robert Barr VP Intellectual Property

Date ▶ 7/21/2004

Handwritten signature (X) ▼

X

Certificate
will be
mailed in
window
envelope
to this
address

Name ▼

Jason Schroth Intellectual Property Department / Cisco Technology Inc

Number/Street/Apt ▼

170 West Tasman Drive

City/State/ZIP ▼

San Jose CA 95134

YOU MUST:Complete all necessary spaces
Sign your application in space 8**SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE:**1 Application form
2 Nonrefundable filing fee in check or money
order payable to Register of Copyrights
3 Deposit material**MAIL TO:**Library of Congress
Copyright Office
101 Independence Avenue S.E.
Washington D.C. 20559-6000Fees are subject to
change. For current
fees, check the
Copyright Office
website: www.copyright.gov
write the Copyright
Office or call
(202) 707-3000

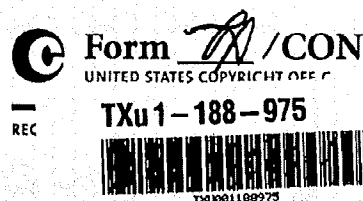
17 U.S.C. § 506(a). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409 or in any written statement filed in connection with this application shall be fined not more than \$2,500.

Rev. June 2002—20 000 Web Rev. June 2002 © Printed on recycled paper

U.S. Government Printing Office: 2000-461/113/20 021

CONTINUATION SHEET FOR APPLICATION FORMS

- This Continuation Sheet is used in conjunction with Forms CA PA SE SR TX and VA only. Indicate which basic form you are continuing in the space in the upper right hand corner.
- If at all possible try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application.
Space B is a continuation of Space 2 on the basic application.
Space B is not applicable to Short Forms.
Space C (on the reverse side of this sheet) is for the continuation of Spaces 1 4 or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA TX or VA.



PA	PAU	SE	SEG	SEU	SR	SRU	TX	TXU	VA	VAU
----	-----	----	-----	-----	----	-----	----	-----	----	-----

EFFECTIVE DATE OF REGISTRATION

JUL 26 04
(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUL 26 2004

Page 3 of 4 pages

DO NOT WRITE ABOVE THIS LINE FOR COPYRIGHT OFFICE USE ONLY

IDENTIFICATION OF CONTINUATION SHEET This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work

- **TITLE** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form)

Cisco IOS 12.3

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S)** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA TX or VA)

Cisco Technology Inc 170 West Tasman Drive San Jose CA 95134

A
Identification
of
Application

NAME OF AUTHOR ▼

(See Space C)

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire?

☐ Yes☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of CountryOR { Citizen of _____
Domiciled in _____WAS THIS AUTHOR'S CONTRIBUTION
TO THE WORKAnonymous? ☐ Yes ☐ NoPseudonymous? ☐ Yes ☐ NoIf the answer to either
of these questions is
Yes see detailed
instructions

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire?

☐ Yes☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of CountryOR { Citizen of _____
Domiciled in _____WAS THIS AUTHOR'S CONTRIBUTION
TO THE WORKAnonymous? ☐ Yes ☐ NoPseudonymous? ☐ Yes ☐ NoIf the answer to either
of these questions is
Yes see detailed
instructions

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire?

☐ Yes☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of CountryOR { Citizen of _____
Domiciled in _____WAS THIS AUTHOR'S CONTRIBUTION
TO THE WORKAnonymous? ☐ Yes ☐ NoPseudonymous? ☐ Yes ☐ NoIf the answer to either
of these questions is
Yes see detailed
instructions

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1 4 or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA TX or VA

CONTINUATION OF (Check which)

☐ Space 1☐ Space 4☐ Space 6☒ Space 2b**C**

Name of Author	Work For Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution	Continuation of other Spaces
Avnisoft Corp	Yes	United States	Yes	No	Computer Code	
Bryson Technologies Inc	Yes	United States	Yes	No	Documentation	
Cisco Technology Inc	Yes	United States	Yes	No	Computer Code & Documentation	
Data Connection Ltd	Yes	United States	Yes	No	Computer Code	
HarveyCom	Yes	United States	Yes	No	Documentation	
HCL America Inc	Yes	United States	Yes	No	Computer Code & Documentation	
HCL Consulting Limited	Yes	India	Yes	No	Computer Code	
Infosys	Yes	India	Yes	No	Documentation	
Lasselle Ramsay	Yes	United States	Yes	No	Documentation	
Oakhill Publications	Yes	United States	Yes	No	Computer Code	
ODI HCL	Yes	India	Yes	No	Documentation	
Preferred International	Yes	United Kingdom	Yes	No	Documentation	
Red Oak Technologies	Yes	United States	Yes	No	Documentation	
Richard Barron and Assoc	Yes	United States	Yes	No	Computer Code	
Tata Elxsi Limited	Yes	India	Yes	No	Computer Code	
Technology Solutions	Yes	India	Yes	No	Computer Code	
WIPRO	Yes	India	Yes	No	Computer Code	

Certificate will be mailed in window envelope to this address

Name ▼

Jason Schroth Intellectual Property Department / Cisco Technology Inc

Number/Street/Apt ▼

170 West Tasman Drive

City/State/ZIP ▼

San Jose CA 95134

YOU MUST:

Complete all necessary spaces
Sign your application

SEND ALL 3 ELEMENTS IN THE SAME PACKAGE:

- 1 Application form
- 2 Nonrefundable fee in check or money order payable to Registrar of Copyrights
- 3 Deposit Material

MAIL TO:

Library of Congress Copyright Office
101 Independence Avenue S E
Washington D C 20559 6000

D

For more info at
t h a s
To correct fees
check the Copyright
Office website at
www.copyright.gov
write the Copyright
Office or call
(202) 707-9000

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

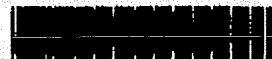
Register of Copyrights, United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER

TXu 1-259-162



EFFECTIVE DATE OF REGISTRATION

8
Month

12
Day

2005
Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

1

TITLE OF THIS WORK ▼

Cisco IOS 12 4

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 12 4 Cisco IOS Version 12 4 Cisco Internetwork Operating System 12 4 Cisco Internetwork Operating System Release 12 4 Cisco Internetwork Operating System Version 12 4

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared Title of Collective Work ▼

If published in a periodical or serial give

Volume ▼

Number ▼

Issue Date ▼

On Pages ▼

2

NAME OF AUTHOR ▼

a Cisco Systems Inc

Was this contribution to the work a "work made for hire"? ☒ Yes ☐ No

AUTHOR'S NATIONALITY OR DOMICILE Name of Country

OR Citizen of ► United States
Domiciled in ►

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☒ No

Pseudonymous? ☐ Yes ☒ No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

New and revised computer code and documentation

NAME OF AUTHOR ▼

b See Attached Form TX/CON for Additional Authors

Was this contribution to the work a "work made for hire"? ☐ Yes ☐ No

AUTHOR'S NATIONALITY OR DOMICILE Name of Country

OR Citizen of ►
Domiciled in ►

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

NAME OF AUTHOR ▼

c

Was this contribution to the work a "work made for hire"? ☐ Yes ☐ No

AUTHOR'S NATIONALITY OR DOMICILE Name of Country

OR Citizen of ►
Domiciled in ►

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

3

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

2005 Year

This information must be given in all cases.

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information ONLY if this work has been published.

Month ► Day ► Year ►

Nation

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

Cisco Technology Inc
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

By agreement

APPLICATION RECEIVED

AUG 12 2005

ONE DEPOSIT RECEIVED

AUG 12 2005

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

MORE ON BACK ►

Complete all applicable spaces (numbers 5-9) on the reverse side of this page
See detailed instructions Sign the form at line 8

DO NOT WRITE HERE
Page 1 of 4 pages

EXAMINED BY <i>slm</i>	FORM TX
CHECKED BY <i>slm</i>	
<input type="checkbox"/> CORRESPONDENCE Yes	FOR COPYRIGHT OFFICE USE ONLY

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

☒ Yes ☐ No If your answer is "Yes, why is another registration being sought? (Check appropriate box) ▼a. ☐ This is the first published edition of a work previously registered in unpublished formb. ☐ This is the first application submitted by this author as copyright claimantc. ☒ This is a changed version of the work, as shown by space 6 on this application.

If your answer is Yes give Previous Registration Number ▶

TXu1 188 975

Year of Registration ▶

2004

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

Material Added to This Work Give a brief general statement of the material that has been added to this work and in which copyright is claimed ▼

New and revised computer code and documentation

a

6

See instructions
before completing
this space

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office give name and number of Account.

Name ▼

Account Number ▼

Cisco Technology Inc

DA92785

a

7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent Name/Address/Apt/City/State/ZIP ▼

Jason Schroth

Cisco Technology Inc

170 West Tasman Drive

San Jose CA 95134

Area code and daytime telephone number ▶ (408) 853 7972

Fax number ▶ (408) 853 7972

Email ▶ jschroth@cisco.com

b

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

☐ author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3 do not sign and submit it before that date

Mallun Yen Managing Director Worldwide Intellectual Property

Date ▶ 2005-Aug-04

Handwritten signature (X) ▼

X

Certificate
will be
mailed in
window
envelope
to this
address

Name ▼

Jason Schroth Intellectual Property Department / Cisco Technology Inc

Number/Street/Apt ▼

170 West Tasman Drive

City/State/ZIP ▼

San Jose CA 95134

Complete all necessary spaces
Sign your application in space 81. Application form
2. Nonrefundable filing fee in check or money
order payable to Register of Copyrights
3. Deposit materialLibrary of Congress
Copyright Office
101 Independence Avenue S.E.
Washington D.C. 20559-0000Fees are subject to
change. For current
fees, visit the
Copyright Office
website at
www.copyright.gov
or call the Copyright
Office at
(202) 707-3000

9

17 U.S.C. § 506(a) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409 or in any written statement filed in connection with the application shall be fined not more than \$2,500.

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CONTINUATION SHEET FOR APPLICATION FORMS

Form TX /CON
UNITED STATES COPYRIGHT OFFICE

TXu 1-259-162



PA PAU SE SEG SEU SR SRU TX **(TXU)** VA VAU

EFFECTIVE DATE OF REGISTRATION

8 12 2005
(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

AUG 12 2005

Page 3 of 4 pages

- This Continuation Sheet is used in conjunction with Forms CA PA SE SR TX and VA only. Indicate which basic form you are continuing in the space in the upper right hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application.
Space B is a continuation of Space 2 on the basic application.
Space B is not applicable to Short Forms.
Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

DO NOT WRITE ABOVE THIS LINE FOR COPYRIGHT OFFICE USE ONLY

IDENTIFICATION OF CONTINUATION SHEET This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- TITLE (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form)

A

Identification
of
Application

Cisco IOS 12.4

- NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S) (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA)

Cisco Technology Inc 170 West Tasman Drive San Jose CA 95134

NAME OF AUTHOR ▼

(See Space C)

DATES OF BIRTH AND DEATH ▼

Year Born ▼ Year Died ▼

B

Continuation
of Space 2

Was this contribution to the work a work made for hire?

☐ Yes

☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR Citizen of ►

OR Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH ▼

Year Born ▼ Year Died ▼

e

Was this contribution to the work a work made for hire?

☐ Yes

☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR Citizen of ►

OR Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH ▼

Year Born ▼ Year Died ▼

f

Was this contribution to the work a work made for hire?

☐ Yes

☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR Citizen of ►

OR Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA, TX, or VA.

CONTINUATION OF (Check which) ☐ Space 1 ☐ Space 4 ☐ Space 6 ☒ Space 2b**C**

Name of Author	Work For Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution	Continuation of other Spaces
Bryson Technologies Inc	Yes	United States	Yes	No	Documentation	
Cisco Technology Inc	Yes	United States	Yes	No	Computer Code & Documentation	
Data Connection Ltd	Yes	United States	Yes	No	Computer Code	
HCL	Yes	India	Yes	No	Computer Code & Documentation	
Infosys	Yes	India	Yes	No	Computer Code	
Lasselle Ramsay	Yes	United States	Yes	No	Documentation	
Manpower	Yes	United States	Yes	No	Computer Code	
Mindtree Consulting	Yes	India	Yes	No	Computer Code	
Oak Hill Corporation	Yes	United States	Yes	No	Documentation	
Oakhill Publications	Yes	United States	Yes	No	Documentation	
PD Communications	Yes	United States	Yes	No	Documentation	
Preferred International	Yes	United Kingdom	Yes	No	Computer Code	
QSolv Inc	Yes	United States	Yes	No	Computer Code	
Red Oak Technologies	Yes	United States	Yes	No	Documentation	
Second Foundation Inc	Yes	United States	Yes	No	Computer Code	
Tata Elxsi Limited	Yes	India	Yes	No	Computer Code	
Technology Solutions	Yes	India	Yes	No	Computer Code	
Vante Inc	Yes	United States	Yes	No	Computer Code	
WIPRO	Yes	India	Yes	No	Computer Code	

Certificate will be mailed in window envelope to this address

Name ▼	Jason Schroth Intellectual Property Department / Cisco Technology Inc
Number/Street/Apt ▼	170 West Tasman Drive
City/State/ZIP ▼	San Jose CA 95134

Complete all necessary spaces
Sign your application

- 1 Application form
- 2 Nonrefundable fee in check or money order payable to Register of Copyrights
- 3 Deposit Material

Library of Congress Copyright Office
101 Independence Avenue, S E
Washington, D C 20559-6000

D

Fees are subject to change.
For current fees, check the Copyright Office website at www.copyright.gov or call (202) 707-9000

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-938-524

**Effective date of
registration:**

November 28, 2014

Title

Title of Work: Cisco IOS 15.0
Previous or Alternative Title: Cisco IOS Release 15.0
 Cisco IOS Version 15.0
 Cisco Internetwork Operating System 15.0
 Cisco Internetwork Operating System Release 15.0
 Cisco Internetwork Operating System Version 15.0
 Cisco Internetwork Operating System Software Release 15.0
 Cisco IOS Software Release 15.0

Completion/Publication

Year of Completion: 2009
Date of 1st Publication: October 1, 2009
Nation of 1st Publication: United States

Author

■ **Author:** Cisco Systems, Inc.
Author Created: text, computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Bard na nGleann
Author Created: text

Work made for hire: Yes

Citizen of: Ireland

Domiciled in: Ireland

■ **Author:** AAP3, Inc.
Author Created: computer program

Work made for hire: Yes

Citizen of: United Kingdom

Domiciled in: United Kingdom

■ **Author:** Aerotek, Inc.
Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** HCL Technologies Limited
Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Infobahn Softworld Inc.
Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Infosys Technologies Ltd.
Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** KForce Inc.
Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Ma Foi Management Consultants Ltd.
Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Randstad
Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Wipro Limited
Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

Copyright claimant _____



Copyright Claimant: Cisco Technology, Inc.

170 W. Tasman Drive, San Jose, CA, 95134, United States

Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: Prior works by claimant and preexisting third party computer code

Previous registration and year: TXu1-259-162 2005

New material included in claim: New and revised computer code and accompanying documentation

Certification

Name: Joshua L. Simmons, Esq.

Date: November 12, 2014

Applicant's Tracking Number: 41593-0036

Registration #: TX0007938524

Service Request #: 1-1840007632



Kirkland & Ellis LLP
Joshua L. Simmons
601 Lexington Avenue
New York, NY 10022 United States

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Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-938-525

**Effective date of
registration:**

November 28, 2014

Title

Title of Work: Cisco IOS 15.1
Previous or Alternative Title: Cisco IOS Release 15.1
 Cisco IOS Version 15.1
 Cisco Internetwork Operating System 15.1
 Cisco Internetwork Operating System Release 15.1
 Cisco Internetwork Operating System Version 15.1
 Cisco IOS Software Release 15.1
 Cisco Internetwork Operating System Software Release 15.1

Completion/Publication

Year of Completion: 2010
Date of 1st Publication: March 26, 2010
Nation of 1st Publication: United States

Author

- **Author:** Cisco Systems, Inc.
Author Created: text, computer program
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States
- **Author:** Bard na nGleann
Author Created: text
Work made for hire: Yes
Citizen of: Ireland
Domiciled in: Ireland
- **Author:** Aerotek, Inc.
Author Created: computer program
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States

■ **Author:** HCL Technologies Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Infosys Technologies Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** KForce Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Larsen & Toubro Infotech Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Prolific Minds Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Simplion Technologies Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Wipro Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Cisco Technology, Inc.

Author Created: text, computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

Copyright claimant



Copyright Claimant: Cisco Technology, Inc.

170 W. Tasman Drive, San Jose, CA, 95134, United States

Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: Prior works by claimant and preexisting third party computer code

Previous registration and year: Pending 2014

New material included in claim: New and revised computer code and accompanying documentation

Certification

Name: Joshua L. Simmons, Esq.

Date: November 12, 2014

Applicant's Tracking Number: 41593-0036

Registration #: TX0007938525

Service Request #: 1-1842583852



Kirkland & Ellis LLP
Joshua L. Simmons
601 Lexington Avenue
New York, NY 10022 United States

Certificate of Registration



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Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-937-159

Effective date of
registration:

November 24, 2014

Title

Title of Work: Cisco IOS 15.2
Previous or Alternative Title: Cisco IOS Release 15.2
 Cisco IOS Version 15.2
 Cisco Internetwork Operating System 15.2
 Cisco Internetwork Operating System Release 15.2
 Cisco Internetwork Operating System Version 15.2
 Cisco IOS Software Release 15.2
 Cisco Internetwork Operating System Software Release 15.2

Completion/Publication

Year of Completion: 2011
Date of 1st Publication: July 22, 2011
Nation of 1st Publication: United States

Author

■ **Author:** Cisco Systems, Inc.
Author Created: text, computer program
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States

■ **Author:** Bard na nGleann
Author Created: text
Work made for hire: Yes
Citizen of: Ireland
Domiciled in: Ireland

■ **Author:** Aerotech, Inc.
Author Created: computer program
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States

■ **Author:** Aricent Technologies Mauritius Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: Mauritius

Domiciled in: Mauritius

■ **Author:** HCL Technologies Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Infosys Technologies Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** KForce Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Prolific Minds Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Randstad

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Tata Consultancy Services Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

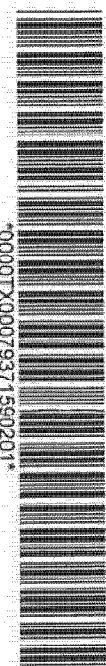
■ **Author:** Wipro Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India



■ **Author:** Cisco Technology, Inc.
Author Created: text, computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

Copyright claimant

Copyright Claimant: Cisco Technology, Inc.
170 W. Tasman Drive, San Jose, CA, 95134, United States

Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: Prior works by claimant and preexisting third party computer code

Previous registration and year: Pending 2014

New material included in claim: New and revised computer code and accompanying documentation

Certification

Name: Joshua L. Simmons, Esq.

Date: November 12, 2014

Applicant's Tracking Number: 41593-0036

Registration #: TX0007937159

Service Request #: 1-1842634112



Kirkland & Ellis LLP
Joshua L. Simmons
601 Lexington Avenue
New York, NY 10022 United States

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-938-341

Effective date of
registration:

November 26, 2014

Title

Title of Work: Cisco IOS 15.4
Previous or Alternative Title: Cisco IOS Release 15.4
 Cisco IOS Version 15.4
 Cisco Internetwork Operating System 15.4
 Cisco Internetwork Operating System Release 15.4
 Cisco Internetwork Operating System Version 15.4
 Cisco IOS Software Release 15.4
 Cisco Internetwork Operating System Software Release 15.4

Completion/Publication

Year of Completion: 2013
Date of 1st Publication: November 24, 2013 **Nation of 1st Publication:** United States

Author

■ **Author:** Cisco Systems, Inc.
Author Created: text, computer program
Work made for hire: Yes
Citizen of: United States **Domiciled in:** United States

■ **Author:** Aricent Technologies Mauritius Limited
Author Created: computer program
Work made for hire: Yes
Citizen of: Mauritius **Domiciled in:** Mauritius

■ **Author:** China International Intellectech Corporation
Author Created: computer program
Work made for hire: Yes
Citizen of: China **Domiciled in:** China

■ **Author:** embedUR Systems (I) Private Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Ensoft Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: United Kingdom

Domiciled in: United Kingdom

■ **Author:** Gemtek Technology Co., Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: Chinese Taipei (Taiwan)

Domiciled in: Chinese Taipei
(Taiwan)

■ **Author:** HCL Technologies Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Infosys Technologies Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Paxterra Solutions Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Randstad

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

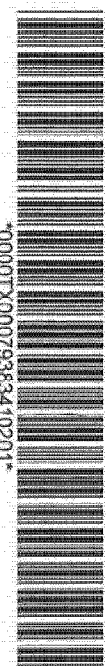
■ **Author:** Scarlet Wireless India Private Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India



■ **Author:** Tata Consultancy Services Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Wipro Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

Copyright claimant

Copyright Claimant: Cisco Technology, Inc.

170 W. Tasman Drive, San Jose, CA, 95134, United States

Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: Prior works by claimant and preexisting third party computer code

Previous registration and year: Pending 2014

New material included in claim: New and revised computer code and accompanying documentation

Certification

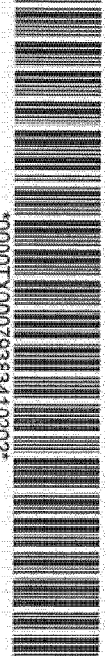
Name: Joshua L. Simmons, Esq.

Date: November 12, 2014

Applicant's Tracking Number: 41593-0036

Registration #: TX0007938341

Service Request #: 1-1842848742



Kirkland & Ellis LLP
Joshua L. Simmons
Kirkland & Ellis LLP
601 Lexington Avenue
New York, NY 10022 United States

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TXu 1-237-896



EFFECTIVE DATE OF REGISTRATION

04 29 2005
Month Day Year

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE, GO TO NEXT RATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

Cisco IOS XR version 3.0

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS release 3.0; Cisco Internetwork Operating System XR version 3.0; Cisco Internetwork Operating System XR release 3.0; IOX version 3.0; IOX release 3.0; HFROS version 3.0; HFROS release 3.0; ENA version 3.0; ENA release 3.0;

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

NAME OF AUTHOR ▼

a Cisco Systems, Inc.

Was this contribution to the work a "work made for hire?"

☒ Yes

☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶

Domiciled in ▶ United States

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☒ No

Pseudonymous? ☐ Yes ☒ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
New and revised computer code and documentation.

NAME OF AUTHOR ▼

b See Attached Form TX/CON for Additional Authors

Was this contribution to the work a "work made for hire?"

☐ Yes

☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶

Domiciled in ▶

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

c

Was this contribution to the work a "work made for hire?"

☐ Yes

☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶

Domiciled in ▶

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

2004

◀ Year

This information must be given in all cases.

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information ONLY if this work has been published.

Month ▶

Day ▶

Year ▶

◀ Nation

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

Cisco Technology, Inc.
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

APR 29 2005

ONE DEPOSIT RECEIVED

APR 29 2005

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

MORE ON BACK ▶

• Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
• See detailed instructions.

• Sign the form at line 8.

DO NOT WRITE HERE

Page 1 of 4 pages

EXAMINED BY <i>Jbe</i>	FORM TX
CHECKED BY	
<input type="checkbox"/> CORRESPONDENCE Yes	FOR COPYRIGHT OFFICE USE ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?☐ Yes ☒ No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼a. ☐ This is the first published edition of a work previously registered in unpublished form.b. ☐ This is the first application submitted by this author as copyright claimant.c. ☐ This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ►

Year of Registration ►

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

New and revised computer code and documentation

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
Name ▼ Account Number ▼

Cisco Technology, Inc.

DA92785

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼Jason Schroth
Cisco Technology, Inc.
170 West Tasman Drive
San Jose, CA 95134

Area code and daytime telephone number ► (408) 853-7972

Fax number ► (408) 853-7972

Email ► jschroth@cisco.com

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ►

☐ author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc.

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert Barr VP Intellectual Property

Date ► 04/25/2005

Handwritten signature (X) 

Certificate will be mailed in window envelope to this address:

Name ▼

Jason Schroth, Intellectual Property Department / Cisco Technology, Inc.

Number/Street/Apt ▼

170 West Tasman Drive

City/State/ZIP ▼

San Jose, CA 95134

FOOTNOTES*

- Complete all necessary spaces
- Sign your application in space 8

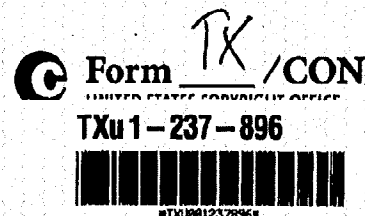
SEND ALL ELEMENTS IN THE SAME PACKAGE

1. Application form
2. Nonrefundable filing fee in check or money order payable to Registrar of Copyrights
3. Deposit material

MAIL TO
Library of Congress
Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20540-8000Fees are subject to change. For current fees, check the Copyright Office website at www.copyright.gov. Write the Copyright Office, or call (202) 707-0800.

*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

CONTINUATION SHEET FOR APPLICATION FORMS



- This Continuation Sheet is used in conjunction with Forms CA, PA, SE, SR, TX, and VA, only. Indicate which basic form you are continuing in the space in the upper right-hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application.
Space B is a continuation of Space 2 on the basic application.
Space B is not applicable to Short Forms.
- Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

PA	PAU	SE	SEG	SEU	SR	SRU	TX	TXU	VA	VAU
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EFFECTIVE DATE OF REGISTRATION

04 29 2005
(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

APR 29 2005

Page 3 of 4 pages

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

IDENTIFICATION OF CONTINUATION SHEET: This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE:** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS XR version 3.0

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

A
Identification
of
Application

NAME OF AUTHOR ▼

(See Space C)

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

B
Continuation
of Space 2

Was this contribution to the work a "work made for hire"?

- ☐ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

Was this contribution to the work a "work made for hire"?

- ☐ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

Was this contribution to the work a "work made for hire"?

- ☐ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA, TX, or VA.

CONTINUATION OF (Check which): ☐ Space 1 ☐ Space 4 ☐ Space 6 ☒ Space 2b**C**

Name of Author	Work For Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution	Continuation of other Spaces
Cisco Technology, Inc.	Yes	United States	Yes	No	Computer Code & Documentation	
Adecco/Tad Tech*	Yes	United States	Yes	No	Computer Code	
Alliance of Professionals	Yes	United States	Yes	No	Computer Code	
Americas Global	Yes	United States	Yes	No	Computer Code	
APC, Inc.	Yes	United States	Yes	No	Computer Code	
Calian Technologies	Yes	Canada	Yes	No	Documentation	
Conoscenti	Yes	Canada	Yes	No	Computer Code	
Duet Technologies	Yes	United States	Yes	No	Computer Code	
Eclipse	Yes	United States	Yes	No	Computer Code	
Ensoft Ltd	Yes	United States	Yes	No	Computer Code	
Harrington Informatics	Yes	Canada	Yes	No	Computer Code	
HCL	Yes	India	Yes	No	Computer Code	
Insight Solutions, Inc.	Yes	United States	Yes	No	Computer Code	
Introtronix International	Yes	United States	Yes	No	Computer Code	
J. Arthur Group	Yes	United States	Yes	No	Documentation	
MetaData	Yes	Canada	Yes	No	Computer Code	
Migration Software	Yes	United States	Yes	No	Computer Code	
NSA**	Yes	United States	Yes	No	Documentation	
Oakhill Publications	Yes	United States	Yes	No	Documentation	
ODI-HCL	Yes	India	Yes	No	Computer Code	
Pipelink	Yes	United States	Yes	No	Computer Code	
Pure Solutions	Yes	United States	Yes	No	Computer Code	
Rnsoft Limited	Yes	United States	Yes	No	Computer Code	
Silver	Yes	United States	Yes	No	Computer Code	
SNMP Research	Yes	United States	Yes	No	Computer Code	
SoftSol Resources	Yes	United States	Yes	No	Computer Code	
TechOne	Yes	United States	Yes	No	Computer Code	

Certificate will be mailed in window envelope to this address:

Name ▼
 Jason Schroth, Intellectual Property Department / Cisco Technology, Inc.
 Number/Street/Apt ▼
 170 West Tasman Drive
 City/State/ZIP ▼
 San Jose, CA 95134

YOU MUST:
 • Complete all necessary spaces
 • Sign your application

SEND ALL ELEMENTS IN THE SAME PACKAGE

1. Application form
2. Nonrefundable fee in check or money order payable to Register of Copyrights
3. Deposit Material

MAIL TO:
 Library of Congress, Copyright Office
 101 Independence Avenue, S.E.
 Washington, D.C. 20559-6000

D

Fee are subject to change. For current fees, check the Copyright Office website at www.copyright.gov, write the Copyright Office, or call (202) 707-3000.

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Margbeth Peters

Register of Copyrights, United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TXu 1-270-592



TXu 1-270-592

EFFECTIVE DATE OF REGISTRATION

10 19 05
Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET

1

TITLE OF THIS WORK ▼

Cisco IOS XR version 3 2

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS release 3 2 Cisco Internetwork Operating System XR version 3 2 Cisco Internetwork Operating System XR release 3 2 IOX version 3 2 IOX release 3 2 HFROS version 3 2 HFROS release 3 2 ENA version 3 2 ENA release 3 2

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared Title of Collective Work ▼

If published in a periodical or serial give Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

NAME OF AUTHOR ▼

a Cisco Systems Inc

Was this contribution to the work a 'work made for hire?' ☒ Yes ☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR { Citizen of _____
Domiciled in United States

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☒ No

Pseudonymous? ☐ Yes ☒ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

New and revised computer code and documentation

NAME OF AUTHOR ▼

b See Attached Form TX/CON for Additional Authors

Was this contribution to the work a 'work made for hire?' ☐ Yes ☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR { Citizen of _____
Domiciled in _____

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

NAME OF AUTHOR ▼

c

Was this contribution to the work a 'work made for hire?' ☐ Yes ☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR { Citizen of _____
Domiciled in _____

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

3

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

2005 This information must be given in all cases.

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Month _____ Day _____ Year _____ Nation _____ Complete this information ONLY if this work has been published.

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

Cisco Technology Inc
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

By agreement

APPLICATION RECEIVED

OCT 19 2005

ONE DEPOSIT RECEIVED

OCT 19 2005

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

DO NOT WRITE HERE
OFFICE USE ONLY

MORE ON BACK ▼

Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
See detailed instructions Sign the form at line 8

DO NOT WRITE HERE

Page 1 of 4 pages

EXAMINED BY

FORM TX

CHECKED BY

☐ CORRESPONDENCE

Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

☒ Yes ☐ No If your answer is Yes, why is another registration being sought? (Check appropriate box) ▼a. ☐ This is the first published edition of a work previously registered in unpublished formb. ☐ This is the first application submitted by this author as copyright claimantc. ☒ This is a changed version of the work, as shown by space 6 on this application

If your answer is Yes give Previous Registration Number ▶

TXu1 237 896

Year of Registration ▶

2005

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates ▼

Prior works by claimant and preexisting third party computer code

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed ▼

New and revised computer code and documentation

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office give name and number of Account

Name ▼

Account Number ▼

Cisco Technology Inc

DA92785

CORRESPONDENCE Give name and address to which correspondence about this application should be sent Name/Address/Apt/City/State/ZIP ▼

Jason Schroth
Cisco Technology Inc
170 West Tasman Drive
San Jose CA 95134

Area code and daytime telephone number ▶ (408) 853-7972

Fax number ▶ (408) 853 7972

Email ▶ jschroth@cisco.com

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

☐ author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Typed or printed name and date ▼ If this application gives a date of publication in space 3 do not sign and submit it before that date

Mallun Yen Managing Director Worldwide Intellectual Property

Date ▶ 14-Oct 2005

Handwritten signature (X) ▼

X

Certificate
will be
mailed in
window
envelope
to this
address

Name ▼

Jason Schroth, Intellectual Property Department / Cisco Technology Inc

Number/Street/Apt ▼

170 West Tasman Drive

City/State/ZIP ▼

San Jose CA 95134

Complete all necessary spaces
Sign your application in space 81. Application form
2. Nonrefundable filing fee in check or money
order payable to Register of Copyrights
3. Deposit materialLibrary of Congress
Copyright Office
101 Independence Avenue S.E.
Washington D.C. 20559-6000Fees are subject to
change. For current
fees, check the
Copyright Office
website at
www.copyright.gov
or call the Copyright
Office at toll
(202) 707-3000

17 U.S.C. § 508(e) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409 or in any written statement filed in connection with the application shall be fined not more than \$2,500.

CONTINUATION SHEET FOR APPLICATION FORMS

Form ~~TX~~ /CON
UNITED STATES COPYRIGHT OFFICE

TXu 1-270-592



PA PAU SE SEG SEU SR SRU TX TXU VA VAU

EFFECTIVE DATE OF REGISTRATION

10 19 05
(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

OCT 19 2005

Page 3 of 7 pages

- This Continuation Sheet is used in conjunction with Forms CA PA SE SR TX and VA only. Indicate which basic form you are continuing in the space in the upper right hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
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- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application.
Space B is a continuation of Space 2 on the basic application.
Space B is not applicable to Short Forms.
Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

IDENTIFICATION OF CONTINUATION SHEET This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work.

- TITLE (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form)

Cisco IOS XR version 3.2

- NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S) (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA)

Cisco Technology Inc 170 West Tasman Drive, San Jose CA 95134

A
Identification
of
Application

NAME OF AUTHOR ▼

(See Space C)

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

B

Continuation
of Space 2

Was this contribution to the work a "work made for hire"?

☐ Yes

☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR

{Citizen of ▶

{Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes" see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

e

Was this contribution to the work a "work made for hire"?

☐ Yes

☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR

{Citizen of ▶

{Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes" see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

f

Was this contribution to the work a "work made for hire"?

☐ Yes

☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR

{Citizen of ▶

{Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes" see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA, TX, or VA.

CONTINUATION OF (Check which) ☐ Space 1 ☐ Space 4 ☐ Space 6 ☒ Space 2b**C**

Name of Author	Work For Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution	Continuation of other Spaces
Cisco Technology Inc	Yes	United States	Yes	No	Computer Code & Documentation	
Cahan Technologies	Yes	Canada	Yes	No	Documentation	
Ensoft Ltd	Yes	United Kingdom	Yes	No	Computer Code	
HCL	Yes	India	Yes	No	Computer Code	
MetaData	Yes	Canada	Yes	No	Computer Code	
Oak Hill Corporation	Yes	United States	Yes	No	Documentation	
Rnsoft Limited	Yes	United Kingdom	Yes	No	Computer Code	
SQLink	Yes	Israel	Yes	No	Computer Code	
TechOne	Yes	United States	Yes	No	Computer Code	

Certificate will be mailed in window envelope to this address

Name ▼
Jason Schroth Intellectual Property Department / Cisco Technology Inc

Number/Street/Apt ▼
170 West Tasman Drive

City/State/ZIP ▼
San Jose CA 95134

Complete all necessary spaces
Sign your application**D**

- 1 Application form
- 2 Nonrefundable fee in check or money order payable to Register of Copyrights
- 3 Deposit Material

Library of Congress Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20540-8000

Fees are subject to change.
For current fees check the Copyright Office website at www.copyright.gov
write to Copyright Office or call (202) 707-9000

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

REG

TXu 1-336-997



HT:0001336997

EFFECTIVE DATE OF REGISTRATION

July 19, 2006
Month Day Year

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

1

TITLE OF THIS WORK ▼

Cisco IOS XR version 3 3

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS XR release 3 3 Cisco Internetwork Operating System XR version 3 3 Cisco Internetwork Operating System XR release 3 3 IOX version 3 3 IOX release 3 3 IOS NG version 3 3 IOS NG release 3 3 HPROS version 3 3 HPROS release 3 3, ENA version 3 3, ENA release 3 3, Cisco Q version 3 3, Cisco Q release 3 3

PUBLICATION AS A CONTRIBUTION ▼ If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared Title of Collective Work ▼

If published in a periodical or serial give Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

NAME OF AUTHOR ▼

a Cisco Systems Inc

Was this contribution to the work a "work made for hire"?

☒ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of United States
Domiciled in United States

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☒ No
Pseudonymous? ☐ Yes ☒ No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

New and revised computer code and documentation

NAME OF AUTHOR ▼

b See Attached Form TX/CON for Additional Authors

Was this contribution to the work a "work made for hire"?

☐ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of United States
Domiciled in United States

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

NAME OF AUTHOR ▼

c

Was this contribution to the work a "work made for hire"?

☐ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of United States
Domiciled in United States

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

3

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

2006 This information must be given in all cases.

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information ONLY if this work has been published. Month Day Year

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

Cisco Technology Inc
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

By written agreement

APPLICATION RECEIVED
JUL 19 2006

ONE DEPOSIT RECEIVED
JUL 19 2006

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

DO NOT WRITE HERE OFFICE USE ONLY

MORE ON BACK ►

Complete all applicable spaces (numbers 5-9) on the reverse side of this page
See detailed instructions Sign the form at line 8

DO NOT WRITE HERE

Page 1 of 4 pages

EXAMINED BY IVB

FORM TX

CHECKED BY

☐ CORRESPONDENCE

Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

PREVIOUS REGISTRATION Has registration for this work or for an earlier version of this work already been made in the Copyright Office?

☒ Yes ☐ No If your answer is Yes why is another registration being sought? (Check appropriate box) ▼a. ☐ This is the first published edition of a work previously registered in unpublished formb. ☐ This is the first application submitted by this author as copyright claimantc. ☒ This is a changed version of the work, as shown by space 6 on this application

If your answer is Yes give Previous Registration Number ▶

TXu 1 270 592

Year of Registration ▶

2005

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates ▼

Prior works by claimant and preexisting third party computer code

a

6

See instructions
before completing
this space

b

Material Added to This Work Give a brief general statement of the material that has been added to this work and in which copyright is claimed ▼

New and revised computer code and documentation

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office give name and number of Account.

Name ▼

Account Number ▼

Cisco Technology Inc

DA92785

a

7

b

CORRESPONDENCE Give name and address to which correspondence about this application should be sent Name / Address / Apt / City / State / ZIP ▼

Jason Schroth

Cisco Technology Inc

170 West Tasman Drive

San Jose CA 95134

Area code and daytime telephone number ▶ (408) 853 7972

Fax number ▶ (408) 853 7972

Email ▶

jschroth@cisco.com

CERTIFICATION I, the undersigned, declare under penalty of perjury that I am the author of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Check only one ▶

☐ Author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc

Name of author or other copyright claimant or owner of exclusive right(s) ▶

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3 do not sign and submit it before that date

Mallun Yen Managing Director Worldwide Intellectual Property

Date ▶ 17 Jul 2006

Handwritten signature (X) ▼

X

Certificate
will be
mailed in
window
envelope
to this
address

Name ▼

Jason Schroth / Intellectual Property Department / Cisco Technology Inc

Number / Street / Apt ▼

170 West Tasman Drive

City / State / ZIP ▼

San Jose CA 95134

Complete all necessary spaces
Sign your application in space 81. Application form
2. Nonrefundable filing fee in check or money
order payable to Register of Copyrights
3. Deposit materialLibrary of Congress
Copyright Office
101 Independence Avenue, S E
Washington D C 20540-6000Fees are subject to
change. For current
fees, visit the
Copyright Office
website at
www.copyright.gov
or write the Copyright
Office, at call
(202) 707 3000

9

17 U.S.C. § 506(e) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409 or in any written statement filed in connection with the application shall be fined not more than \$2,500

Rev. June 2002—2004 Web Rev. June 2002 Printed on recycled paper

U.S. Government Printing Office 2000-481 11/3/20 021

CONTINUATION SHEET FOR APPLICATION FORMS



REGI

TXu 1-336-997



TXu 1-336-997

PA	PAU	SE	SEG	SEU	SR	SRU	TX	TXU	VA	VAU
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EFFECTIVE DATE OF REGISTRATION

July 19, 2006
(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED
JUL 19 2006

Page 3 of 4 pages

- This Continuation Sheet is used in conjunction with Forms CA PA SE SR TX and VA only. Indicate which basic form you are continuing in the space in the upper right hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application.
- Space B is a continuation of Space 2 on the basic application.
- Space B is not applicable to Short Forms.
- Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

DO NOT WRITE ABOVE THIS LINE FOR COPYRIGHT OFFICE USE ONLY

IDENTIFICATION OF CONTINUATION SHEET This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS XR version 3.3

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S)** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology Inc 170 West Tasman Drive San Jose CA 95134

A
Identification
of
Application

NAME OF AUTHOR ▼

(See Space C)

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

B

Continuation
of Space 2

Was this contribution to the work a work made for hire?

☐ Yes☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR

Citizen of ▶

Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ NoPseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

e

Was this contribution to the work a work made for hire?

☐ Yes☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR

Citizen of ▶

Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ NoPseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

f

Was this contribution to the work a work made for hire?

☐ Yes☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR

Citizen of ▶

Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ NoPseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA, TX, or VA.

CONTINUATION OF (Check which) ☐ Space 1 ☐ Space 4 ☐ Space 6 ☒ Space 2b**C**

Name of Author	Work For Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution	Continuation of other Spaces
Cisco Technology Inc	Yes	United States	Yes	No	Computer Code & Documentation	
Calian Technologies	Yes	Canada	Yes	No	Documentation	
Data Connection Ltd	Yes	United Kingdom	Yes	No	Computer Code	
Ensoft Ltd	Yes	United Kingdom	Yes	No	Computer Code	
Fujitsu Japan	Yes	Japan	Yes	No	Computer Code	
HCL	Yes	India	Yes	No	Computer Code	
MetaData	Yes	Canada	Yes	No	Computer Code	
Oak Hill Corporation	Yes	United States	Yes	No	Documentation	
Pure Solutions	Yes	United States	Yes	No	Computer Code	
QNX Software	Yes	United States	Yes	No	Computer Code	
SQLink	Yes	Israel	Yes	No	Computer Code	

Certificate will be mailed in window envelope to this address

Name ▼
Jason Schroth Intellectual Property Department / Cisco Technology Inc

Number/Street/Apt ▼
170 West Tasman Drive

City/State/ZIP ▼
San Jose CA 95134

Complete all necessary spaces
Sign your application**D**

- 1 Application form
- 2 Nonrefundable fee in check or money order payable to Register of Copyrights
- 3 Deposit Material

Fees are subject to change. For current fees, check the Copyright Office website at www.copyright.gov or call (202) 707-3000.

Library of Congress Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

RE: **TXu 1-344-750**



TXu 1-344-750

EFFECTIVE DATE OF REGISTRATION

Mar 02 2007
Month Day Year

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

1

TITLE OF THIS WORK ▼

Cisco IOS XR version 3.4

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS XR release 3.4 Cisco Internetwork Operating System XR release 3.4 IOS XR release 3.4 IOS NG version 3.4 IOS NG release 3.4 HFRS version 3.4 HFRS release 3.4 ENA release 3.4 Cisco Q version 3.4 Cisco Q release 3.4

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared Title of Collective Work ▼

If published in a periodical or serial give Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

NAME OF AUTHOR ▼

a Cisco Systems Inc

Was this contribution to the work a work made for hire?
☒ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of United States
Domiciled in United States

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☒ No

Pseudonymous? ☐ Yes ☒ No

If the answer to either of these questions is Yes see detailed instructions

NOTE

Under the law the author of a work made for hire is generally the employer not the employee (see instructions). For any part of this work that was made for hire check Yes in the space provided of the employer (or other person for whom the work was prepared) as the author and leave the space for dates of birth and death blank.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

New and revised computer code and documentation

NAME OF AUTHOR ▼

b See Attached Form TX/CON for Additional Authors

Was this contribution to the work a work made for hire?
☐ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of United States
Domiciled in United States

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☒ No

Pseudonymous? ☐ Yes ☒ No

If the answer to either of these questions is Yes see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

NAME OF AUTHOR ▼

c

Was this contribution to the work a work made for hire?
☐ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of United States
Domiciled in United States

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☒ No

Pseudonymous? ☐ Yes ☒ No

If the answer to either of these questions is Yes see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

3

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

2006

This information must be given in all cases

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information ONLY if this work has been published

Month Day Year

Nation

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

Cisco Technology Inc
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

By written agreement

APPLICATION RECEIVED
MAR 02 2007

ONE DEPOSIT RECEIVED
MAR 02 2007

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

MORE ON BACK ►

Complete all applicable spaces (numbers 1-9) on the reverse side of this page. See detailed instructions. Sign the form at line 8.

DO NOT WRITE HERE

Page 1 of _____ pages

EXAMINED BY <u>Daw</u>	FORM TX
CHECKED BY	
<input type="checkbox"/> CORRESPONDENCE	FOR
<input type="checkbox"/> Yes	COPYRIGHT
	OFFICE
	USE
	ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION I am registering for this work or for an earlier version (if this work already been made in the Copyright Office).☒ **Yes** ☐ **No** If your answer is Yes, why is another registration being sought? (Check appropriate box.)☒ **a** This is the first published edition of a work previously registered in unpublished form.☐ **b** This is the first application submitted by this author or copyright claimant.☒ **c** This is a changed version of the work. a. show by page 6 on this application.If your answer is Yes, give (Previous Registration Number) PendingYear of Registration 2006

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.

Prior works by claimant and preexisting third party computer code

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.

New and revised computer code and documentation

a 6

See instructions
before completing
this space

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.Name Cisco Technology, Inc.Account Number DA92785

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP

Jason Schroth

Cisco Technology, Inc.

170 West Tasman Drive

San Jose, CA 95134

Area code and daytime telephone number (408) 853-7972Fax number (408) 253-7572E-mail jshroth@cisco.com

b

CERTIFICATION I, the undersigned, hereby certify that I am theCheck only one ☐☐ author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc.

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s)

8

Typed or printed name and date If this application goes a date of publication in space 3, do not sign and submit it before that date.

Dan Lang, Sr. Corporate Counsel, Worldwide Intellectual PropertyDate 27 Feb 2007Handwritten signature (X) Dan LangCertificate
will be
mailed in
window
envelope
to this
address.Name Jason Schroth, Intellectual Property Department / Cisco Technology, Inc.Number/Street/Apt. 170 West Tasman DriveCity/State/ZIP San Jose, CA 95134Complete all necessary spaces.
Sign your application in space 8.

SIGNATURE OF APPLICANT

1. Application form
2. Non-refundable filing fee in check or money
order payable to Registrar of Copyrights
3. Deposit materialLibrary of Congress
Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20540-4001Fees are subject to
change. For current
fee chart, see
www.copyright.gov
or call
(202) 707-9099

9

17 U.S.C. § 506(a). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

Rev. June 2002—20,000 Web Rev. July 2002 © Printed on recycled paper

U.S. Government Printing Office 2000-461-113/20-021

CONTINUATION SHEET FOR APPLICATION FORMS

- This Continuation Sheet is used in conjunction with Forms CA PA SE SR TX and VA only. Indicate which basic form you are continuing in the space in the upper right hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application.
Space B is a continuation of Space 2 on the basic application.
Space B is not applicable to Short Forms.
Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA TX or VA.

Form ☒ /CON
UNITED STATES COPYRIGHT OFFICE

TXu 1-344-750

PA PAU SE SEG SEU SR SRU TX TXU VA VU

EFFECTIVE DATE OF REGISTRATION
Mar 02 2007
(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED
Mar 02 2007

Page _____ of _____ pages

DO NOT WRITE ABOVE THIS LINE FOR COPYRIGHT OFFICE USE ONLY

A
Identification of Application

IDENTIFICATION OF CONTINUATION SHEET This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form)
Cisco IOS XR version 3.4
- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S)** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA TX or VA)
Cisco Technology Inc 170 West Tasman Drive San Jose CA 95134

B
Continuation of Space 2

NAME OF AUTHOR ▼
(See Space C)

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire? ☐ Yes ☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of: _____
Domiciled in: _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No
If the answer to either of these questions is "Yes" see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

e

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire? ☐ Yes ☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of: _____
Domiciled in: _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No
If the answer to either of these questions is "Yes" see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

f

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire? ☐ Yes ☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of: _____
Domiciled in: _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No
If the answer to either of these questions is "Yes" see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA TX or VA

CONTINUATION OF (Check which) ☐ Space 1 ☐ Space 4 ☐ Space 6 ☒ Space 2b**C**

Name of Author	Work For Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution	Continuation of other Spaces
Green Technology Inc	Yes	United States	Yes	No	Computer Code & Documentation	
Calian Technologies	Yes	Canada	Yes	No	Documentation	
Cyber Professionals Inc	Yes	United States	Yes	No	Computer Code	
Data Connection Ltd	Yes	United Kingdom	Yes	No	Computer Code	
Digital X Inc	Yes	United States	Yes	No	Computer Code	
Ensoft Ltd	Yes	United Kingdom	Yes	No	Computer Code	
Fujitsu Japan	Yes	Japan	Yes	No	Computer Code	
HCL	Yes	India	Yes	No	Computer Code	
Jaypar	Yes	United States	Yes	No	Computer Code	
MetaData	Yes	Canada	Yes	No	Computer Code	
Oak Hill Corporation	Yes	United States	Yes	No	Documentation	
ONE ANS	Yes	Italy	Yes	No	Computer Code	
Piepeople Consulting Inc	Yes	United States	Yes	No	Computer Code	
Pure Solutions	Yes	United States	Yes	No	Computer Code	
QNX Software	Yes	United States	Yes	No	Computer Code	
QSolv Inc	Yes	United States	Yes	No	Computer Code	
SQLink	Yes	Israel	Yes	No	Computer Code	
TechOne	Yes	United States	Yes	No	Computer Code	

Certificate will be mailed in window envelope to this address

Name ▼	Jason Schroth Intellectual Property Department / Cisco Technology Inc
Number/Street/Apt ▼	170 West Tasman Drive
City/State/ZIP ▼	San Jose CA 95134

Complete & enclose by post
Sign your application

ENCLOSE ALL DOCUMENTS
BEING DEPOSITED

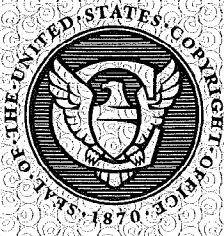
- 1 Application form
- 2 Non-refundable fee (check or money order payable to Register of Copyrights)
- 3 Deposit Material

MAIL TO:
Library of Congress Copyright Office
101 Independence Avenue S.E.
Washington D.C. 20540-6000

D

Posters are subject to filing
For current fees
check the Copyright
Office website at
www.copyright.gov
or call
(202) 707-5909

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

Registration Number:

TXu 1-592-305

Effective date of
registration:

July 17, 2007

Title

Title of Work: Cisco IOS XR version 3.5

Previous or Alternative Title: Cisco IOS XR release 3.5; Cisco Internetwork Operating System version XR version 3.5; Cisco Internetwork Operating System XR release 3.5; IOX version 3.5; IOS NG version 3.5; IOS NG release 3.5; IIFROS version 3.5; HFROS release 3.5; ENA version 3.5; ENA release 3.5; Cisco Q version 3.5; Cisco Q release 3.5

Completion/Publication

Year of Completion: 2007

Author

■ **Author:** Cisco Systems, Inc

Author Created: New and revised computer code and documentation

Work made for hire: Yes

Domiciled in: United States

Anonymous: No

Pseudonymous: No

■ **Author:** Abacus

Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes

Pseudonymous: No

■ **Author:** Cisco Technology, Inc

Author Created: Computer Code & Documentation

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes

Pseudonymous: No

■ Author: Cyber Professionals, Inc

Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes

Pseudonymous: No

■ Author: Data Connction Ltd

Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United Kingdom

Anonymous: Yes

Pseudonymous: No

■ Author: Digital-X, Inc

Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes

Pseudonymous: No

■ Author: Ensoft Ltd.

Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United Kingdom

Anonymous: Yes

Pseudonymous: No

■ Author: Fujitsu Japan

Author Created: Computer code

Work made for hire: Yes

Domiciled in: Japan

Anonymous: Yes

Pseudonymous: No

■ Author: HCL

Author Created: Computer code

Work made for hire: Yes

Domiciled in: India

Anonymous: Yes

Pseudonymous: No

■ Author: MetaData

Author Created: Computer code

Work made for hire: Yes

Domiciled in: Canada

Anonymous: Yes

Pseudonymous: No

■ **Author:** ONE-ANS

Author Created: Computer code

Work made for hire: Yes

Domiciled in: Italy

Anonymous: Yes

Pseudonymous: No

■ **Author:** Pure Solutions

Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes

Pseudonymous: No

■ **Author:** QNX Software

Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes

Pseudonymous: No

■ **Author:** Sapphire InfoTech, Inc.

Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes

Pseudonymous: No

■ **Author:** Stivant

Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes

Pseudonymous: No

■ **Author:** TechOne

Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes

Pseudonymous: No

Copyright claimant

Copyright Claimant: Cisco Technology, Inc

170 West Tasman Drive, San Jose, CA, 95134

Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: Prior works by claimant and preexisting third party computer code

Previously registered: Yes

Previous registration and year: TXu 1-344-750 2007

Basis of current registration: This is a changed version of the work.

New material included in claim: New and revised computer code and documentation

Certification

Name: Dan Lang

Date: July 17, 2007

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-933-364

Effective date of
registration:

November 14, 2014

Title

Title of Work: Cisco IOS XR version 4.3
Previous or Alternative Title: Cisco IOS XR 4.3
 Cisco IOS XR Release 4.3
 Cisco IOS XR Software Release 4.3
 Cisco IOS XR Software Version 4.3
 Cisco Internetwork Operating System version XR version 4.3
 Cisco Internetwork Operating System XR release 4.3

Completion/Publication

Year of Completion: 2012
Date of 1st Publication: December 21, 2012 **Nation of 1st Publication:** United States

Author

- **Author:** Cisco Systems, Inc.
Author Created: text, computer program
Work made for hire: Yes
Citizen of: United States **Domiciled in:** United States
- **Author:** Bard na nGleann
Author Created: text
Work made for hire: Yes
Citizen of: Ireland **Domiciled in:** Ireland
- **Author:** HCL Technologies Limited
Author Created: text, computer program
Work made for hire: Yes
Citizen of: India **Domiciled in:** India

■ **Author:** Nichepro Consulting Private Limited

Author Created: text

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Innovatia, Inc.

Author Created: text

Work made for hire: Yes

Citizen of: Canada

Domiciled in: Canada

■ **Author:** Abacus Business Solutions, Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Aricent Technologies Mauritius Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: Mauritius

Domiciled in: Mauritius

■ **Author:** Ensoft Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: United Kingdom

Domiciled in: United Kingdom

■ **Author:** Infosys Technologies Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Wipro Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Tech Mahindra Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India



■ **Author:** QNX Software Systems Co.

Author Created: computer program

Work made for hire: Yes

Citizen of: Canada

Domiciled in: Canada

Copyright claimant

Copyright Claimant: Cisco Technology, Inc.

170 W. Tasman Drive, San Jose, CA, 95134, United States

Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: Prior works by claimant and preexisting third party computer code

Previous registration and year: TXu1-592-305 2007

New material included in claim: New and revised computer code and accompanying documentation

Certification

Name: Joshua L. Simmons, Esq.

Date: November 12, 2014

Applicant's Tracking Number: 41593-0036

Registration #: TX0007933364
Service Request #: 1-1879984622



Kirkland & Ellis LLP
Joshua L. Simmons
601 Lexington Avenue
New York, NY 10022 United States

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-933-353

**Effective date of
registration:**

November 14, 2014

Title

Title of Work: Cisco IOS XR version 5.2
Previous or Alternative Title: Cisco IOS XR 5.2
 Cisco IOS XR Release 5.2
 Cisco IOS XR Software Release 5.2
 Cisco IOS XR Software Version 5.2
 Cisco Internetwork Operating System version XR version 5.2
 Cisco Internetwork Operating System XR release 5.2

Completion/Publication

Year of Completion: 2014
Date of 1st Publication: July 5, 2014
Nation of 1st Publication: United States

Author

■ **Author:** Cisco Systems, Inc.
Author Created: text, computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Bard na nGleann
Author Created: text

Work made for hire: Yes

Citizen of: Ireland

Domiciled in: Ireland

■ **Author:** HCL Technologies Limited
Author Created: text, computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Nichepro Consulting Private Limited

Author Created: text

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Innovatia, Inc.

Author Created: text

Work made for hire: Yes

Citizen of: Canada

Domiciled in: Canada

■ **Author:** Abacus Business Solutions, Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Aricent Technologies Mauritius Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: Mauritius

Domiciled in: Mauritius

■ **Author:** Ensoft Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: United Kingdom

Domiciled in: United Kingdom

■ **Author:** Infosys Technologies Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** KForce Inc

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Paxterra Solutions Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States



■ **Author:** Tech Mahindra Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Wipro Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

Copyright claimant

Copyright Claimant: Cisco Technology, Inc.

170 W. Tasman Drive, San Jose, CA, 95134, United States

Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: Prior works by claimant and preexisting third party computer code

Previous registration and year: Pending 2014

New material included in claim: New and revised computer code and accompanying documentation

Certification

Name: Joshua L. Simmons, Esq.

Date: November 12, 2014

Applicant's Tracking Number: 41593-0036

Registration #: TX0007933353

Service Request #: 1-1879984863



Kirkland & Ellis LLP
Joshua L. Simmons
601 Lexington Avenue
New York, NY 10022 United States

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-937-234

Effective date of
registration:

November 24, 2014

Title

Title of Work: Cisco IOS XE 3.5
Previous or Alternative Title: Cisco IOS XE Release 3.5
 Cisco IOS XE Version 3.5
 Cisco Internetwork Operating System XE 3.5
 Cisco Internetwork Operating System XE Release 3.5
 Cisco Internetwork Operating System XE Version 3.5
 Cisco IOS XE Software Release 3.5
 Cisco Internetwork Operating System XE Software Release 3.5

Completion/Publication

Year of Completion: 2011
Date of 1st Publication: November 28, 2011
Nation of 1st Publication: United States

Author

■ **Author:** Cisco Systems, Inc.
Author Created: text, computer program
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States

■ **Author:** Bard na nGleann
Author Created: text
Work made for hire: Yes
Citizen of: Ireland
Domiciled in: Ireland

■ **Author:** Adecco USA, Inc.
Author Created: computer program
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States

■ **Author:** Aerotek, Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Aricent Technologies Mauritius Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: Mauritius

Domiciled in: Mauritius

■ **Author:** HCL Technologies Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Infosys Technologies Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** KForce Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Randstad

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Tata Consultancy Services Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

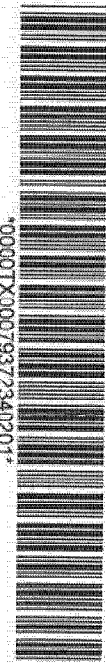
■ **Author:** Unilink Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: Israel

Domiciled in: Israel



■ **Author:** Vircon, Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** WIPRO Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Cisco Technology, Inc.

Author Created: text, computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

Copyright claimant

Copyright Claimant: Cisco Technology, Inc.

170 W. Tasman Drive, San Jose, CA, 95134, United States

Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: Prior works by claimant and preexisting third party computer code

Previous registration and year: Pending 2014

New material included in claim: New and revised computer code and accompanying documentation

Certification

Name: Joshua L. Simmons, Esq.

Date: November 13, 2014

Applicant's Tracking Number: 41593-0036

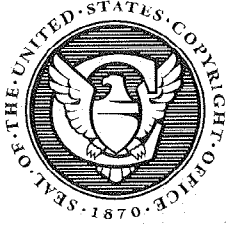
Registration #: TX0007937234

Service Request #: 1-1874302659



Kirkland & Ellis LLP
Joshua L. Simmons
601 Lexington Avenue
New York, NY 10022 United States

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-940-718

**Effective date of
registration:**

November 13, 2014

Title

Title of Work: Cisco NX-OS 5.0
Previous or Alternative Title: Cisco NX-OS Software Release 5.0
Cisco NX-OS Release 5.0
Cisco NXOS 5.0

Completion/Publication

Year of Completion: 2010
Date of 1st Publication: May 24, 2010
Nation of 1st Publication: United States

Author

- **Author:** Cisco Systems, Inc.
Author Created: text, computer program
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States
- **Author:** Cisco Technology, Inc.
Author Created: text, computer program
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States

Copyright claimant

Copyright Claimant: Cisco Technology, Inc.
170 W. Tasman Drive, San Jose, CA, 95134, United States
Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: previously published material and preexisting third party computer code
Previous registration and year: Pending 2014
New material included in claim: New and revised computer code and accompanying documentation

Certification

Name: Joshua L. Simmons, Esq.

Date: November 13, 2014

Applicant's Tracking Number: 41593-0036

Correspondence: Yes



Registration #: TX0007940718

Service Request #: 1-1814995944



Kirkland & Ellis LLP
Joshua L. Simmons
Kirkland & Ellis LLP
601 Lexington Avenue
New York, NY 10022 United States

Certificate of Registration



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Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-940-727

**Effective date of
registration:**

November 13, 2014

Title

Title of Work: Cisco NX-OS 5.2
Previous or Alternative Title: Cisco NX-OS Software Release 5.2
Cisco NX-OS Release 5.2
Cisco NXOS 5.2

Completion/Publication

Year of Completion: 2011
Date of 1st Publication: July 29, 2011
Nation of 1st Publication: United States

Author

■ **Author:** Cisco Systems, Inc.
Author Created: text, computer program
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States

Copyright claimant

Copyright Claimant: Cisco Technology, Inc.
170 W. Tasman Drive, San Jose, CA, 95134, United States
Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: previously published material and preexisting third party computer code
Previous registration and year: Pending 2014
New material included in claim: New and revised computer code and accompanying documentation

Certification

Name: Joshua L. Simmons, Esq.
Date: November 13, 2014
Applicant's Tracking Number: 41593-0036

Correspondence: Yes



Registration #: TX0007940727

Service Request #: 1-1814996028



Kirkland & Ellis LLP
Joshua L. Simmons
Kirkland & Ellis LLP
601 Lexington Avenue
New York, NY 10022 United States

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-940-722

**Effective date of
registration:**

November 13, 2014

Title

Title of Work: Cisco NX-OS 6.2
Previous or Alternative Title: Cisco NX-OS Software Release 6.2
 Cisco NX-OS Release 6.2
 Cisco NXOS 6.2

Completion/Publication

Year of Completion: 2013
Date of 1st Publication: August 22, 2013 **Nation of 1st Publication:** United States

Author

- **Author:** Cisco Systems, Inc.
Author Created: text, computer program
Work made for hire: Yes
Citizen of: United States **Domiciled in:** United States
- **Author:** Bard na nGleann
Author Created: text
Work made for hire: Yes
Citizen of: Ireland **Domiciled in:** Ireland
- **Author:** Trilyon Inc.
Author Created: text
Work made for hire: Yes
Citizen of: United States **Domiciled in:** United States

Copyright claimant

Copyright Claimant: Cisco Technology, Inc.
 170 W. Tasman Drive, San Jose, CA, 95134, United States
Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: previously published material and preexisting third party computer code

Previous registration and year: Pending 2014

New material included in claim: new and revised computer code and accompanying documentation

Certification

Name: Joshua L. Simmons, Esq.

Date: November 13, 2014

Applicant's Tracking Number: 41593-0036

Correspondence: Yes



Registration #: TX0007940722

Service Request #: 1-1815054342



Kirkland & Ellis LLP
Joshua L. Simmons
Kirkland & Ellis LLP
601 Lexington Avenue
New York, NY 10022 United States

CERTIFICATE OF REGISTRATION



OFFICIAL SEAL

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

REGISTER OF COPYRIGHTS
United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TXU 1-036-057



TXU-001036057

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

Cisco IOS 11.0

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 11.0; Cisco IOS Version 11.0; Cisco Internetwork Operating System 11.0; Cisco Internetwork Operating System Release 11.0; Cisco Internetwork Operating System Version 11.0

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

a NAME OF AUTHOR ▼
Cisco Systems, Inc.DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼Was this contribution to the work a
"work made for hire"?
☒ Yes
☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▼
Domiciled in ▼ United StatesWAS THIS AUTHOR'S CONTRIBUTION TO
THE WORK
Anonymous? ☐ Yes ☒ No
Pseudonymous? ☐ Yes ☒ No
If the answer to either of these questions is "Yes," see detailed instructions.NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
New and revised computer code and accompanying documentation

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

b NAME OF AUTHOR ▼
See Attached Form TX/CON for Additional AuthorsDATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼Was this contribution to the work a
"work made for hire"?
☐ Yes
☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▼
Domiciled in ▼WAS THIS AUTHOR'S CONTRIBUTION TO
THE WORK
Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

c NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼Was this contribution to the work a
"work made for hire"?
☐ Yes
☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▼
Domiciled in ▼WAS THIS AUTHOR'S CONTRIBUTION TO
THE WORK
Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3

a YEAR IN WHICH CREATION OF THIS
WORK WAS COMPLETED
1995
This information must be given in all cases.b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK
Complete this information ONLY if this work has been published.
Month Day Year
Nation

4

See instructions before completing this space.

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

Cisco Technology, Inc.
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

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OFFICE USE ONLY

APPLICATION RECEIVED

JUN 14 2002

ONE DEPOSIT RECEIVED

JUN 14 2002

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

MORE ON BACK ► • Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
• See detailed instructions. • Sign the form at line 8.DO NOT WRITE HERE
Page 1 of 4 pages

EXAMINED BY	FORM TX
CHECKED BY <i>TM 6</i>	
<input type="checkbox"/> CORRESPONDENCE	FOR
<input type="checkbox"/> Yes	COPYRIGHT
	OFFICE
	USE
	ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

☐ Yes ☒ No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼a. ☐ This is the first published edition of a work previously registered in unpublished form.b. ☐ This is the first application submitted by this author as copyright claimant.c. ☐ This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ►

Year of Registration ►

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

a 6

See instructions before completing this space.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

New and revised computer code and accompanying documentation

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼

Account Number ▼

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Tu T. Tsao, Esq.

Fenwick & West LLP

2 Palo Alto Square

Palo Alto, CA 94306

b

Area code and daytime telephone number ► (650) 858-7696

Fax number ► (650) 494-1417

Email ► ttsao@fenwick.com

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ►

☐ author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ►

Handwritten signature (or X)

X

Certificate will be mailed in window envelope to this address:

Name ▼

Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼

2 Palo Alto Square

City/State/ZIP ▼

Palo Alto, CA 94306

YOU MUST

- Complete all necessary spaces
- Sign your application in space 8

SEND ALL 3 ELEMENTS IN THE SAME PACKAGE:

1. Application form
2. Nonrefundable filing fee in check or money order payable to Register of Copyrights
3. Deposit material

MAIL TO:
Library of Congress
Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

9

As of July 1, 1999, the filing fee for Form TX is \$30.

CONTINUATION SHEET FOR APPLICATION FORMS

- This Continuation Sheet is used in conjunction with Forms CA, PA, SE, SR, TX, and VA, only. Indicate which basic form you are continuing in the space in the upper right-hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application.
- Space B is a continuation of Space 2 on the basic application. Space B is not applicable to Short forms.
- Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

FORM TX /CON
UNITED STATES COPYRIGHT OFFICE

TXU 1-036-057



TXU001036057

PA PAU SE SEG SEU SR SRU TX TXU VA VAU

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUN 14 2002

Page 3 of 4 pages

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

IDENTIFICATION OF CONTINUATION SHEET: This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE:** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS 11.0

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

A
Identification
of
Application

NAME OF AUTHOR ▼
(See Space C)

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? ☐ Yes ☐ No If the answer to either of these questions is "Yes," see detailed instructions.
Pseudonymous? ☐ Yes ☐ No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? ☐ Yes ☐ No If the answer to either of these questions is "Yes," see detailed instructions.
Pseudonymous? ☐ Yes ☐ No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? ☐ Yes ☐ No If the answer to either of these questions is "Yes," see detailed instructions.
Pseudonymous? ☐ Yes ☐ No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the

CONTINUATION OF (Check which): ☐ Space 1 ☐ Space 4 ☐ Space 6 ☒ Space 2b

Name of Author	Work for Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution
ABE Staffing, Inc.	Yes	United States	Yes	No	Computer code
Metaplex, Inc.	Yes	United States	Yes	No	Computer code
Nano Solutions	Yes	United States	Yes	No	Documentation
Bev Talbott	No	United States	Yes	No	Documentation

C
Continuation
of other
Spaces

Certificate
will be
mailed in
window
envelope
to this
address:

Name ▼
Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼
2 Palo Alto Square

City/State/ZIP ▼
Palo Alto, CA 94306

YOU MUST:
• Complete all necessary spaces
• Sign your application

**SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE:**
1. Application form
2. Nonrefundable fee in check or
money order payable to Register
of Copyrights
3. Deposit Material

MAIL TO:
Library of Congress, Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

D
Fees are effective
through June 30,
2002. After that date,
check the Copyright
office Website at
www.loc.gov/copyright
or call (202)
707-3000 for current
fee information.

CERTIFICATE OF REGISTRATION



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

REGISTER OF COPYRIGHTS
United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TX 5-531-435



EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

Month Day Year

OFFICIAL SEAL

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

Cisco IOS 11.1

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 11.1; Cisco IOS Version 11.1; Cisco Internetwork Operating System 11.1; Cisco Internetwork Operating System Release 11.1; Cisco Internetwork Operating System Version 11.1

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

NAME OF AUTHOR ▼

a Cisco Systems, Inc.

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

☒ Yes☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▼

Domiciled in ▼ United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☒ NoPseudonymous? ☐ Yes ☒ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
New and revised computer code

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

☐ Yes☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▼

Domiciled in ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ NoPseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

☐ Yes☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▼

Domiciled in ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ NoPseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "author" of that part, and leave the space for dates of birth and death blank.

b

c

3

a YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED This information must be given in all cases.

1996

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK Complete this information ONLY if this work has been published. Month ▼ February Day ▼ 28 Year ▼ 1996

United States

Nation

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

Cisco Technology, Inc.
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

APPLICATION RECEIVED

JUN 14 2002

ONE DEPOSIT RECEIVED

JUN 14 2002

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

MORE ON BACK ▶

• Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
• See detailed instructions. • Sign the form at line 8.

DO NOT WRITE HERE
Page 1 of 4 pages

EXAMINED BY <i>TMS</i>	FORM TX
CHECKED BY	
<input type="checkbox"/> CORRESPONDENCE	
<input type="checkbox"/> Yes	

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?☒ Yes ☐ No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▾a. ☐ This is the first published edition of a work previously registered in unpublished form.b. ☐ This is the first application submitted by this author as copyright claimant.c. ☐ This is a changed version of the work, as shown by space 8 on this application.

If your answer is "Yes," give: Previous Registration Number ▸

Pending

Year of Registration ▸

2002

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▾

Prior works by claimant and preexisting third party computer code

a

6

See instructions
before completing
this space.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▾

New and revised computer code

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▾

Account Number ▾

a

7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt./City/State/ZIP ▾

To T. Tsao, Esq.
Fenwick & West LLP
2 Palo Alto Square
Palo Alto, CA 94306

Area code and daytime telephone number ▸ (650) 858-7696

Fax number ▸

(650) 494-1417

Email ▸

ttsao@fenwick.com

b

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one ▸

☐ author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc.

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s) ▾

8

Typed or printed name and date ▾ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ▸

X

Handwritten signature (S) ▾

Certificate
will be
mailed in
window
envelope to
this
address:Name ▾
Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt. ▾

2 Palo Alto Square

City/State/ZIP ▾

Palo Alto, CA 94306

YOU MUST

• Complete all necessary spaces

• Sign your application in space 9

SIGNATURES

DATE

1. Application form

2. Non-refundable filing fee in check or money order

3. Deposit material

MAIL TO

Library of Congress

Copyright Office

101 Independence Avenue, S.E.

Washington, D.C. 20540-0000

9

As of
July 1,
1999,
the
filing
fee for
Form TX
is \$30.

*17 U.S.C. § 504(a): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 408, or in any written statement filed in connection with the application, shall be fined not more than \$2,000.

June 1999—300,000
WEB REV: June 1999

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U.S. GOVERNMENT PRINTING OFFICE: 1999-454-878/49

CONTINUATION SHEET FOR APPLICATION FORMS

- This Continuation Sheet is used in conjunction with Forms CA, PA, SE, SR, TX, and VA, only. Indicate which basic form you are continuing in the space in the upper right-hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application.
Space B is a continuation of Space 2 on the basic application. Space B is not applicable to Short forms.
Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

FORM TX /CON

UNITED STATES COPYRIGHT OFFICE

R

TX 5-531-435



#TX005531435#

PA PAUSE SEG SEU SR SRU TX TXU VA VAU

EFFECTIVE DATE OF REGISTRATION

JUN 1 4 2002

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUN 1 4 2002

Page 3 of 4 pages

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

IDENTIFICATION OF CONTINUATION SHEET: This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE:** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS 11.1

A

Identification
of
Application

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

NAME OF AUTHOR ▼

(See Space C)

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

B

Continuation
of Space 2

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
 Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

e

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
 Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

f

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
 Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA, TX, or VA.

CONTINUATION OF (Check which): ☐ Space 1 ☐ Space 4 ☐ Space 6 ☒ Space 2b

Name of Author	Work for Hire	Domicile	Anonymous	Pseudonymous	Nature of Contribution
Energetic Systems	Yes	United States	Yes	No	Computer code
Metaplex, Inc.	Yes	United States	Yes	No	Computer code
Nano Solutions	Yes	United States	Yes	No	Documentation
Bev Talbott	No	United States	Yes	No	Documentation

C
Continuation
of other
Spaces

Certificate
will be
mailed in
window
envelope
to this
address:

Name ▼
Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼
2 Palo Alto Square

City/State/ZIP ▼
Palo Alto, CA 94306

YOU MUST:
• Complete all necessary spaces
• Sign your application

**SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE**

1. Application form
2. Nonrefundable fee in check or
money order payable to Register
of Copyrights
3. Deposit Material

MAIL TO:
Library of Congress, Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

D
Fees are effective
through June 30,
2002. After that date,
check the Copyright
office Website at
[www.loc.gov/copy-
right](http://www.loc.gov/copy-
right) or call (202)
707-3000 for current
fee information.

CERTIFICATE OF REGISTRATION

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

TXu 1-036-063



T20001036063

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

Month Day Year

OFFICIAL SEAL

REGISTER OF COPYRIGHTS

United States of America

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

Cisco IOS 11.2

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 11.2; Cisco IOS Version 11.2; Cisco Internetwork Operating System 11.2; Cisco Internetwork Operating System Release 11.2; Cisco Internetwork Operating System Version 11.2

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

NAME OF AUTHOR ▼

a Cisco Systems, Inc.

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼Was this contribution to the work a "work made for hire"? ☒ Yes ☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of CountryOR { Citizen of ▼ United States
Domiciled in ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☒ No
Pseudonymous? ☐ Yes ☒ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
New and revised computer code and accompanying documentation

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

NAME OF AUTHOR ▼

b See Attached Form TX/CON for Additional Authors

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼Was this contribution to the work a "work made for hire"? ☐ Yes ☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of CountryOR { Citizen of ▼
Domiciled in ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

c

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼Was this contribution to the work a "work made for hire"? ☐ Yes ☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of CountryOR { Citizen of ▼
Domiciled in ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3

a YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED
1996
This information must be given in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information ONLY if this work has been published. Month Day Year

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

Cisco Technology, Inc.
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

APPLICATION RECEIVED

JUN 14 2002

ONE DEPOSIT RECEIVED

JUN 14 2002

TWO DEPOSITS RECEIVED

FINDS RECEIVED

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See instructions before completing this space.

MORE ON BACK ►

• Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
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• Sign the form at line 8.

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Page 1 of 4 pages

EXAMINED BY

FORM TX

CHECKED BY

CORRESPONDENCE

Yes

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USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

☒ Yes ☐ No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼a. ☐ This is the first published edition of a work previously registered in unpublished form.b. ☐ This is the first application submitted by this author as copyright claimant.c. ☒ This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▶

Pending

Year of Registration ▶

2002

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

New and revised computer code and accompanying documentation

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
Name ▼ Account Number ▼

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Tu T. Tsao, Esq.

Fenwick & West LLP

2 Palo Alto Square

Palo Alto, CA 94306

Area code and daytime telephone number ▶ (650) 858-7696

Fax number ▶

(650) 494-1417

Email ▶ ttsao@fenwick.com

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

☐ author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc.

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ▶

Handwritten signature (X) ▼

X

Certificate will be mailed in window envelope to this address:

Name ▼

Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼

2 Palo Alto Square

City/State/ZIP ▼

Palo Alto, CA 94306

YOU MUST:

- Complete all necessary spaces
- Sign your application in space 8

SEND ALL 3 ELEMENTS IN THE SAME PACKAGE

1. Application form
2. Nonrefundable filing fee in check or money order payable to Registrar of Copyrights
3. Deposit material

MAIL TO:

Library of Congress
Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

As of July 1, 1999, the filing fee for Form TX is \$30.

*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.
June 1999—200,000
WEB REV: June 1999

CONTINUATION SHEET FOR APPLICATION FORMS

FORM TX /CON
UNITED STATES COPYRIGHT OFFICE

TXu 1-036-063



PA	PAU	SE	SEG	SEU	SR	SRU	TX	TXU	VA	VAU
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EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUN 14 2002

Page 3 of 4 pages

- This Continuation Sheet is used in conjunction with Forms CA, PA, SE, SR, TX, and VA, only. Indicate which basic form you are continuing in the space in the upper right-hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application.
Space B is a continuation of Space 2 on the basic application. Space B is not applicable to Short forms.
Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

IDENTIFICATION OF CONTINUATION SHEET: This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE:** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS 11.2

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

A
Identification
of
Application

NAME OF AUTHOR ▼
(See Space C)

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No If the answer to either of these questions is "Yes," see detailed instructions.
Pseudonymous? ☐ Yes ☐ No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No If the answer to either of these questions is "Yes," see detailed instructions.
Pseudonymous? ☐ Yes ☐ No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No If the answer to either of these questions is "Yes," see detailed instructions.
Pseudonymous? ☐ Yes ☐ No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Spaces 1, 4, or 6 of the Short Forms PA, TX, or VA.

CONTINUATION OF (Check which):

☐ Space 1☐ Space 4☐ Space 6☒ Space 2b

Name of Author	Work for Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution
ABE Staffing Services, Inc.	Yes	United States	Yes	No	Computer code
HCL America, Inc.	Yes	United States	Yes	No	Computer code
HCL Consulting Limited	Yes	India	Yes	No	Computer code
Network Aware, Inc.	Yes	United States	Yes	No	Computer code
Metaplex, Inc.	Yes	United States	Yes	No	Computer code
Nano Solutions	Yes	United States	Yes	No	Documentation
NSA	Yes	United States	Yes	No	Documentation
Oakhill Publications/ Computer Education Consulting	Yes	United States	Yes	No	Documentation
Rick Barron	No	United States	Yes	No	Documentation
Bev Talbott	No	United States	Yes	No	Documentation

C
Continuation
of other
Spaces

Certificate
will be
mailed in
window
envelope
to this
address:

Name ▼
Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼
2 Palo Alto Square

City/State/ZIP ▼
Palo Alto, CA 94306

YOU MUST:
• Complete all necessary spaces
• Sign your application

**SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE:**
1. Application form
2. Nonrefundable fee in check or
money order payable to Register
of Copyrights
3. Deposit Material

MAIL TO:
Library of Congress, Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

D
Fees are effective
through June 30,
2002. After that date,
check the Copyright
office Website at
www.loc.gov/copyright
or call (202)
757-3000 for current
fee information.

CERTIFICATE OF REGISTRATION

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

OFFICIAL SEAL

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
REGISTER OF COPYRIGHTS
United States of America

TXu 1-036-062



TXu 1-036-062

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

Cisco IOS 11.3

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 11.3; Cisco IOS Version 11.3; Cisco Internetwork Operating System 11.3; Cisco Internetwork Operating System Release 11.3; Cisco Internetwork Operating System Version 11.3

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

NAME OF AUTHOR ▼

a Cisco Systems, Inc.

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire?"

☒ Yes
☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of CountryOR { Citizen of ►
Domiciled in ► United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☒ No
Pseudonymous? ☐ Yes ☒ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
New and revised computer code and accompanying documentation

NAME OF AUTHOR ▼

b See Attached Form TX/CON for Additional Authors

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire?"

☐ Yes
☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of CountryOR { Citizen of ►
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

c

Was this contribution to the work a "work made for hire?"

☐ Yes
☐ NoAUTHOR'S NATIONALITY OR DOMICILE
Name of CountryOR { Citizen of ►
Domiciled in ►DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3

a YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

1997

This information must be given in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information ONLY if this work has been published.

Month ► Day ► Year ►

Nation

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

Cisco Technology, Inc.
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

APPLICATION RECEIVED
JUN 14 2002ONE DEPOSIT RECEIVED
JUN 14 2002

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

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MORE ON BACK ►

• Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
• See detailed instructions.

• Sign this form at line 8.

DO NOT WRITE HERE
Page 1 of 4 pages

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TMS

FORM TX

CHECKED BY

☐ CORRESPONDENCE

Yes

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ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

☒ Yes ☐ No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼a. ☐ This is the first published edition of a work previously registered in unpublished form.b. ☐ This is the first application submitted by this author as copyright claimant.c. ☒ This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▶

Pending

Year of Registration ▶

2002

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

a 6

See instructions
before completing
this space.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

New and revised computer code and accompanying documentation

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼

Account Number ▼

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Tu T. Tsao, Esq.
Fenwick & West LLP
2 Palo Alto Square
Palo Alto, CA 94306

b

Area code and daytime telephone number ▶ (650) 858-7696

Fax number ▶ (650) 494-1417

Email ▶ ttsao@fenwick.com

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

☐ author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc.

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ▶

Handwritten signature (X) ▼

X

Certificate
will be
mailed in
window
envelope
to this
address:Name ▼
Susanne S. Morales, Paralegal / Fenwick & West LLPNumber/Street/Apt ▼
2 Palo Alto SquareCity/State/ZIP ▼
Palo Alto, CA 94306YOU MUST:
• Complete all necessary spaces
• Sign your application in space 8
SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE1. Application form
2. Nonrefundable filing fee in check or money order
payable to Register of Copyrights
3. Deposit materialMAIL TO:
Library of Congress
Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

9

As of
July 1,
1999,
the
filing
fee for
Form TX
is \$30.*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.
June 1999—200,000
WEB REV: June 1999

PRINTED ON RECYCLED PAPER

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CONTINUATION SHEET FOR APPLICATION FORMS

FORM TX /CON
UNITED STATES COPYRIGHT OFFICE

TXu 1-036-062



TXu001036062

PA	PAU	SE	SEG	SEU	SR	SRU	TX	TXU	VA	VAU
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EFFECTIVE DATE OF REGISTRATION

JUN 1 4 2002

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUN 1 4 2002

Page 3 of 4 pages

- This Continuation Sheet is used in conjunction with Forms CA, PA, SE, SR, TX, and VA, only. Indicate which basic form you are continuing in the space in the upper right-hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application.
- Space B is a continuation of Space 2 on the basic application. Space B is not applicable to Short forms.
- Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

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IDENTIFICATION OF CONTINUATION SHEET: This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE:** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS 11.3

A
Identification
of
Application

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

NAME OF AUTHOR ▼
(See Space C)

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

B
Continuation
of Space 2

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

e

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

f

Was this contribution to the work a "work made for hire"? **AUTHOR'S NATIONALITY OR DOMICILE**
Name of Country

☐ Yes
☐ No

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? ☐ Yes ☐ No

Pseudonymous? ☐ Yes ☐ No If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA, TX, or VA.

CONTINUATION OF (Check which): ☐ Space 1 ☐ Space 4 ☐ Space 6 ☒ Space 2b

Name of Author	Work for Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution
HCL America, Inc.	Yes	United States	Yes	No	Computer code
HCL Consulting Limited	Yes	India	Yes	No	Computer code
Metaplex, Inc.	Yes	United States	Yes	No	Computer code
Technosoft Corp.	Yes	United States	Yes	No	Computer code
Nano Solutions	Yes	United States	Yes	No	Documentation
Oakhill Publications/ Computer Education Consulting	Yes	United States	Yes	No	Documentation
ABE Staffing Services, Inc.	Yes	United States	Yes	No	Documentation
Lasselle-Ramsay	Yes	United States	Yes	No	Documentation
Kevin Shafer	No	United States	Yes	No	Documentation
Rick Barron	No	United States	Yes	No	Documentation

C
Continuation
of other
Spaces

Certificate
will be
mailed in
window
envelope
to this
address:

Name ▼
Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼
2 Palo Alto Square

City/State/ZIP ▼
Palo Alto, CA 94306

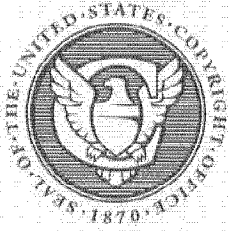
YOU MUST:
• Complete all necessary spaces
• Sign your application

**SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE:**
1. Application form
2. Nonrefundable fee in check or
money order payable to *Register
of Copyrights*
3. Deposit Material

MAIL TO:
Library of Congress, Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

D
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2002. After that date,
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[www.loc.gov/copy-
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707-3000 for current
fee information.

Certificate of Registration



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Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-937-240

Effective date of
registration:

November 24, 2014

Title

Title of Work: Cisco IOS XE 2.1
Previous or Alternative Title: Cisco IOS XE Release 2.1
 Cisco IOS XE Version 2.1
 Cisco Internetwork Operating System XE 2.1
 Cisco Internetwork Operating System XE Release 2.1
 Cisco Internetwork Operating System XE Version 2.1
 Cisco IOS XE Software Release 2.1
 Cisco Internetwork Operating System XE Software Release 2.1

Completion/Publication

Year of Completion: 2008
Date of 1st Publication: May 2, 2008
Nation of 1st Publication: United States

Author

■ **Author:** Cisco Systems, Inc.
Author Created: text, computer program
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States

■ **Author:** Bard na nGleann
Author Created: text
Work made for hire: Yes
Citizen of: Ireland
Domiciled in: Ireland

■ **Author:** Adecco USA, Inc.
Author Created: computer program
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States

■ **Author:** Aerotek, Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** HCL Technologies Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

■ **Author:** Infobahn Softworld Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** KForce Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Data Connection Limited dba Metaswitch Networks

Author Created: computer program

Work made for hire: Yes

Citizen of: United Kingdom

Domiciled in: United Kingdom

■ **Author:** Solelectron Corporation

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** WIPRO Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

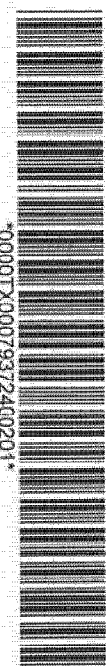
■ **Author:** Zenaide Technologies, Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States



■ **Author:** Cisco Technology, Inc.

Author Created: text, computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

Copyright claimant

Copyright Claimant: Cisco Technology, Inc.

170 W. Tasman Drive, San Jose, CA, 95134, United States

Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: Prior works by claimant and preexisting third party computer code

New material included in claim: New and revised computer code and accompanying documentation

Certification

Name: Joshua L. Simmons, Esq.

Date: November 13, 2014

Applicant's Tracking Number: 41593-0036

Registration #: TX0007937240

Service Request #: 1-1863956851



Kirkland & Ellis LLP
Joshua L. Simmons
601 Lexington Avenue
New York, NY 10022 United States

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Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-940-713

**Effective date of
registration:**

November 13, 2014

Title

Title of Work: Cisco NX-OS 4.0

Previous or Alternative Title: Cisco NX-OS Software Release 4.0

Cisco NX-OS Release 4.0

Cisco NXOS 4.0

Cisco SAN-OS 4.0

Cisco SAN-OS Software Release 4.0

Cisco SAN-OS Release 4.0

Cisco SANOS 4.0

Completion/Publication

Year of Completion: 2008

Date of 1st Publication: April 2, 2008

Nation of 1st Publication: United States

Author

■ **Author:** Cisco Systems, Inc.

Author Created: text, computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

■ **Author:** Cisco Technology, Inc.

Author Created: text, computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

Copyright claimant

Copyright Claimant: Cisco Technology, Inc.

170 W. Tasman Drive, San Jose, CA, 95134, United States

Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: previously published material and preexisting third party computer code

New material included in claim: new and revised computer code and accompanying documentation

Certification

Name: Joshua L. Simmons, Esq.

Date: November 13, 2014

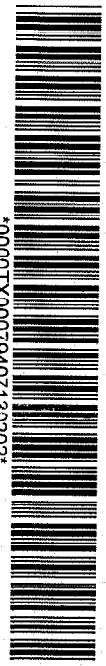
Applicant's Tracking Number: 41593-0036

Correspondence: Yes



Registration #: TX0007940713

Service Request #: 1-1786586481



Kirkland & Ellis LLP
Joshua L. Simmons
Kirkland & Ellis LLP
601 Lexington Avenue
New York, NY 10022 United States